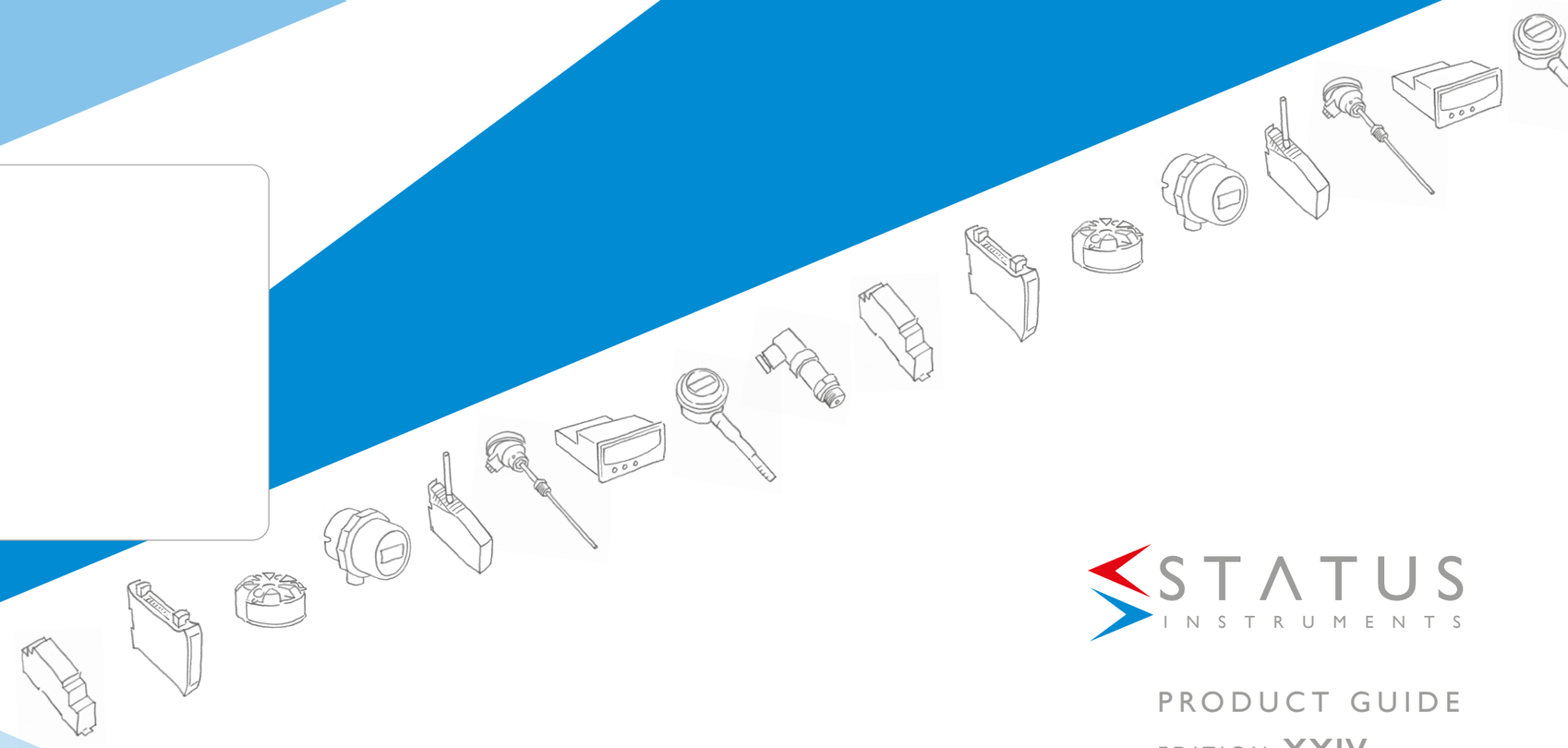


STATUS INSTRUMENTS

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STATUS INSTRUMENTS

PRODUCT GUIDE

EDITION **XXIV**

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Welcome

to the latest Status Instruments Product Guide

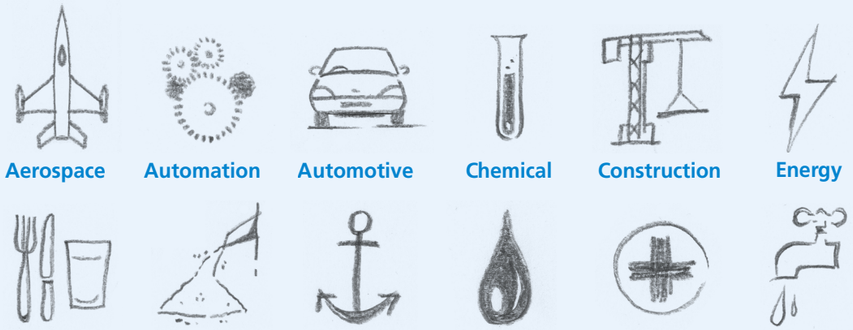
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Contents

How to use this Guide

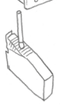
This Product Guide is divided into sections, as listed opposite.

Each section shows what the range has to offer, and the products are then listed individually with their relevant specification details beneath.

If you can't find exactly what you're looking for, or you require something specific that is not listed, please call us and we can discuss custom designs and tailored solutions.

Please note: *some sections have been re-ordered for 2024.*

STATUS INSTRUMENTS

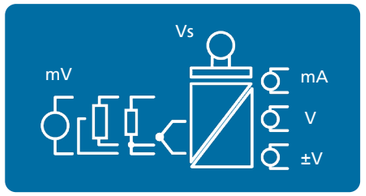
	Product group	Page	Typical warranty
	Signal conditioning	4	5 years
	In-head transmitters	12	5 years
	In-head transmitters, analogue	16	5 years
	Rail-mounted transmitters	18	5 years
	In-head and DIN-rail transmitters, voltage output	20	5 years
	Temperature transmitters and loop-powered displays	22	5 years
	Temperature transmitters - other packages	24	5 years
	Field-mounted indicators and switches - pressure	26	5 years
	Probe assemblies	28	1 year on sensor
	Humidity and temperature transmitters, indicators and switches	30	5 years 1 year on sensor
	Panel meters	32	5 years
	Wireless transmitters	34	1 year 1 year on sensor
	Field-mounted indicators and switches - pressure	36	5 years
	Pressure transmitters	38	1 year
	Versatility of displays	40	
	Free apps and software	41	
	Solution overview	42	
	The Application Guide	44	
	Legacy products	46	

Signal conditioning



SEM 1600T

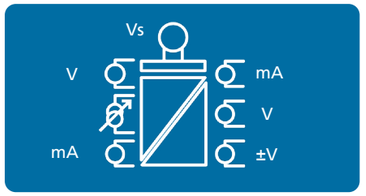
RTD, thermocouple, potentiometer, resistance or mV input.
active / passive mA or voltage output.





SEM 1600VI

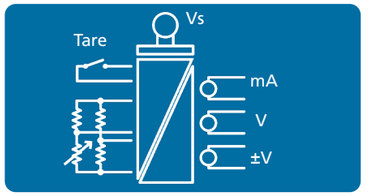
mA / voltage conditioner with active / passive mA or voltage input and outputs.





SEM 1600B

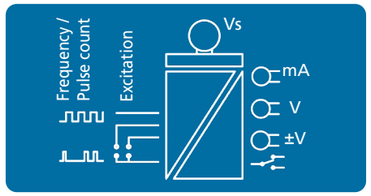
Load cell input signal conditioner with active / passive mA or voltage output.





SEM 1600F

Dual inputs, frequency and pulse counter. Active / passive mA or voltage and relay output.



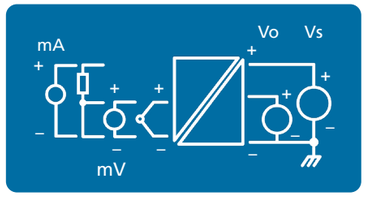
INPUT	**Pt100**	Yes	N/A	N/A	N/A
	RTD other types	Yes	N/A	N/A	N/A
	Resistance	(10 to 10,500) Ω	N/A	N/A	N/A
	Potentiometer	1 kΩ to 100 kΩ auto sense	N/A	N/A	N/A
	Thermocouple	K, J, N, E, T, R, S, L, U, B, C(W5), D(W3), G(W)	N/A	N/A	N/A
	Voltage	(–100 to +200) mV	(–50 to +50) VDC	N/A	N/A
	Current	N/A	(–50 to +50) mA (active / passive)	N/A	N/A
	Frequency	N/A	N/A	N/A	0.01 Hz to 65 kHz
	Pulse counter	N/A	N/A	N/A	Yes
	Load cell	N/A	N/A	Yes - 4-wire	N/A
OUTPUT	*See datasheet for full details and specific output combinations*	mA - active / passive Voltage Bi-polar voltage	mA - active / passive Voltage Bi-polar voltage	mA - active / passive Voltage Bi-polar voltage	mA - active / passive Voltage Bi-polar voltage Pulse (closed contact relay)
GENERAL	**Isolation**	Yes	Yes	Yes	Yes
	Output zero/span alignment to input	Yes	Yes	Yes - push-button	Yes
	User offset	Yes	N/A	Yes - tare	N/A
	User linearisation	Yes - resistance / potentiometer / mV	Yes	Yes	K Factor meter correction
	Remote reset	N/A	N/A	Tare	Yes
	Ambient operating	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
	Power supply	Universal, (10 to 48) VDC and (10 to 32) VAC	Universal, (10 to 48) VDC and (10 to 32) VAC	Universal, (10 to 48) VDC and (10 to 32) VAC	Universal, (10 to 48) VDC and (10 to 32) VAC
	Loop power supply	Yes - output	Yes - input and output	Yes - output	Yes - output
	Sensor excitation	N/A	N/A	Yes	Yes
	Configuration	PC	PC	PC	PC
	Totalise	N/A	N/A	N/A	Yes
	Maths functions	N/A	Flow formulae	N/A	Yes
	Width	17.5 mm	17.5 mm	17.5 mm	17.5 mm
APPROVALS	**EMC / UKCA**	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Signal conditioning



SEM 1620

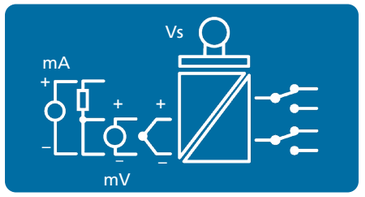
RTD, thermocouple, passive mA, mV input, 3-wire voltage output.





SEM 1630

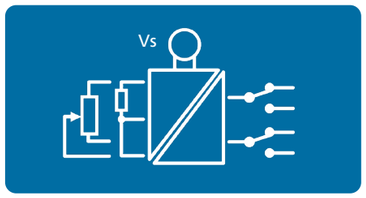
RTD, thermocouple, passive mA, mV input, with 2 change-over relay outputs.





SEM 1633

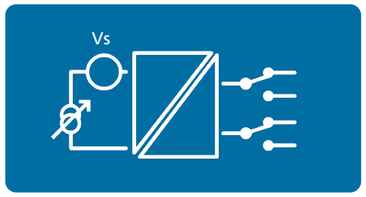
RTD, potentiometer, resistance input, with 2 change-over relay outputs.





SEM 1636

Loop-powered input, with 2 change-over relay outputs.



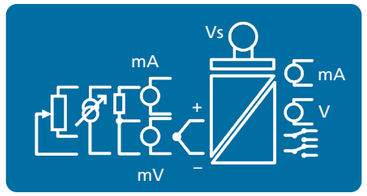
INPUT	**Pt100**	Yes	Yes	Yes	N/A
	RTD other types	N/A	N/A	Yes	N/A
	Resistance	N/A	N/A	(10 to 10,500) Ω	N/A
	Potentiometer	N/A	N/A	1k Ω to 100 kΩ auto sense	N/A
	Thermocouple	K, J, N, E, T, R, S	K, J, N, E, T, R, S	N/A	N/A
	Voltage	(–10 to +75) mV	(–10 to +75) mV	N/A	N/A
	Current	(–10 to +25) mA Passive	(–10 to +25) mA Passive	N/A	(4 to 20) mA Passive
	Frequency	N/A	N/A	N/A	N/A
	Pulse counter	N/A	N/A	N/A	N/A
	Load cell	N/A	N/A	N/A	N/A
OUTPUT	*See datasheet for full details and specific output combinations*	Voltage - 3 wire	2 x (250 VAC @ 1A) C/O relay	2 x (250 VAC @ 1A) C/O relay	2 x (250 VAC @ 1A) C/O relay
GENERAL	**Isolation**	Yes	Yes	Yes - relays	Yes - relays
	Output zero/span alignment to input	Yes	N/A	N/A	N/A
	User offset	N/A	N/A	N/A	N/A
	User linearisation	N/A	N/A	Yes - resistance / potentiometer	Yes
	Remote reset	N/A	N/A	N/A	N/A
	Ambient operating	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
	Power supply	(15 to 28) VDC	24 VDC	Universal, (10 to 48) VDC and (10 to 32) VAC	(4 to 20) mA loop
	Loop power supply	N/A	N/A	N/A	N/A
	Sensor excitation	N/A	N/A	N/A	N/A
	Configuration	PC	PC	PC	PC
	Totalise	N/A	N/A	N/A	N/A
	Maths functions	N/A	N/A	N/A	Yes - flow formula
	Width	17.5 mm	17.5 mm	17.5 mm	17.5 mm
APPROVALS	**EMC / UKCA**	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Signal conditioning



SEM 1700

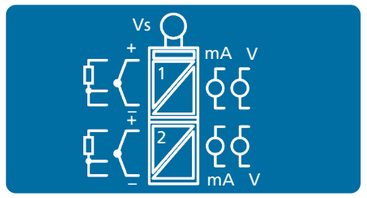
Universal signal conditioner with current or voltage, and 2 change-over relay outputs.





SEM 1720

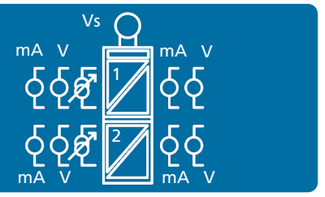
Dual-channel RTD, thermocouple, potentiometer, mV input with active / passive mA or voltage outputs.





SEM 1750

Dual-channel mA / voltage conditioner with active / passive mA or voltage input and outputs.



	TYPE	Single channel	Dual channel	Dual channel
INPUT	Pt100	Yes	Yes	N/A
	RTD other types	N/A	Yes	N/A
	Resistance	(20 to 400) Ω	N/A	N/A
	Potentiometer	1 kΩ to 1 MΩ	1 kΩ to 100 kΩ auto sense	N/A
	Thermocouple	K, J, N, E, T, R, S, L, U, B, C, D, G	K, J, N, E, T, R, S, L, U, B, C, D, G	N/A
	Voltage	±50 mV, ±200 mV, ±1 V, ±10 V	N/A	±50 VDC
	Current	±30 mA (active / passive)	N/A	±50 mA (active / passive)
	Frequency	N/A	N/A	N/A
	Pulse Counter	N/A	N/A	N/A
	Load Cell	N/A	N/A	N/A
OUTPUT	*See datasheet for full details and specific output combinations*	mA - active / passive Voltage 2 x (250 VAC @ 1A) C/O Relay	mA - active / passive Voltage Optional programmable maths outputs to include average, sum and splitter functions	mA - active / passive Voltage Optional programmable maths outputs to include average, sum and splitter functions
GENERAL	Isolation	Yes	Yes	Yes
	Output zero/span alignment to input	Yes - push-button	N/A	N/A
	User offset	N/A	Yes	N/A
	User linearisation	N/A	Yes	Yes
	Remote reset	N/A	N/A	N/A
	Ambient operating	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
	Power supply	Universal, (22 to 300) VDC and (24 to 250) VAC	Universal, (22 to 300) VDC and (24 to 250) VAC	Universal, (22 to 300) VDC and (24 to 250) VAC
	Loop power supply	Input and output	Output, both channels	Input and output, both channels
	Sensor excitation	Yes - mA loop	Yes - both channels	Yes - both channels
	Configuration	PC - push-button	PC / DIP switch - pre-set ranges	PC
	Totalise	N/A	N/A	N/A
	Maths functions	N/A	Yes	Yes
	Width	22 mm	22 mm	22 mm
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326
	SIL	Yes (see website for more details)	N/A	N/A

Signal conditioning



SEM 1000

(4 to 20) mA current loop isolator.



SEM 1015

Converts DC voltage to an isolated (4 to 20) mA signal.

NB: may be supplied in previous-style housing



SEM 1020

Isolating current loop booster.



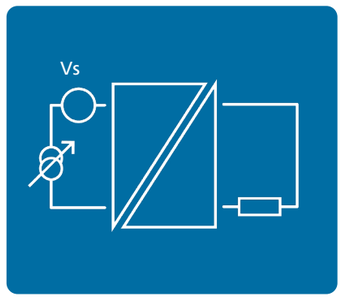
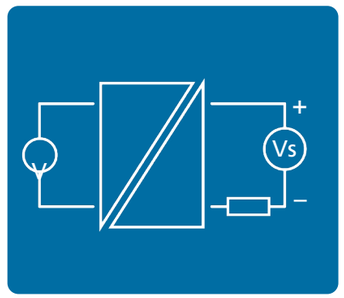
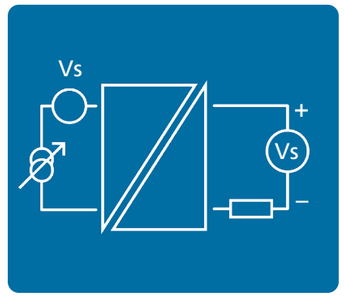
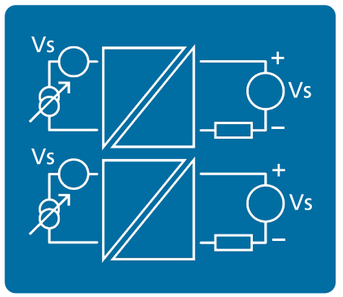
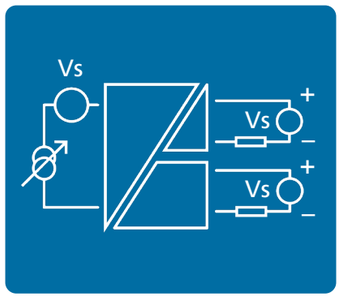
SEM 1022

(4 to 20) mA current loop isolator.



SEM 1200

Isolating current loop splitter.

						
INPUT	**Type**	(4 to 20) mA passive	DC voltage	(4 to 20) mA passive	2 x (4 to 20) mA passive	(4 to 20) mA passive
	Range	(4 to 20) mA	Any between (-10 to 100) VDC	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
OUTPUT		(4 to 20) mA active	(4 to 20) mA passive	(4 to 20) mA passive	2 x 2-wire (4 to 20) mA passive	2 x 2-wire (4 to 20) mA passive
GENERAL	**Volt drop**	Input 5.0 VDC typical	N/A	Input and output 2.7 VDC	Input and output 2.7 VDC	Input and outputs 5.0 VDC
	Maximum loop supply	Input 35 VDC	Output 30 VDC	Input and output 35 VDC	Input and output 35 VDC	Input and output 32 VDC
	Isolation	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC
	Maximum load	Output 500 Ω	N/A	Output 1200 Ω	Output 1200 Ω	Outputs 1200 Ω
	Power supply	Input loop	Output loop	All loops	All loops	All loops
	Ambient operating temperature	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C
	Width	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm
APPROVALS	**EMC / UKCA**	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

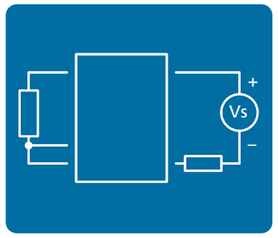
In-head transmitters

(4 to 20) mA output



SEM 203P

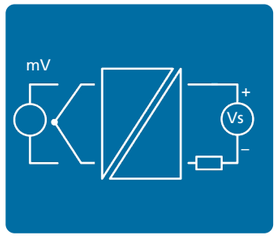
Pt100 transmitter; push-button configuration.





SEM 203TC

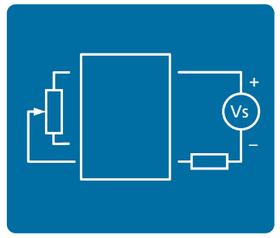
Thermocouple transmitter; push-button configuration.





SEM 203W

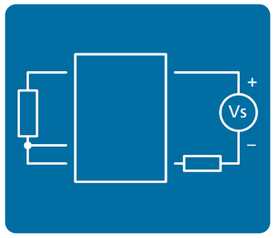
Potentiometer transmitter; push-button configuration.





SEM 206P

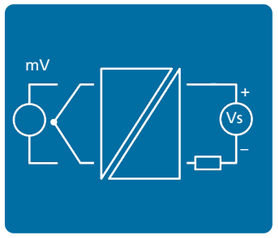
Pt100 transmitter; PC configuration.





SEM 206TC

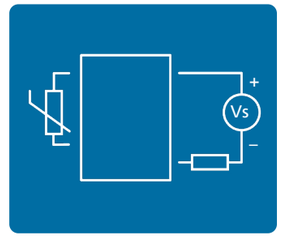
Thermocouple transmitter; PC configuration.





SEM 206TH

Thermistor transmitter; PC / push-button



	TYPE	In-head	In-head	In-head	In-head	In-head	In-head
INPUT	Pt100	Yes - 2, 3 wire	N/A	N/A	Yes - 2, 3 wire	N/A	N/A
	Other RTD sensors	N/A	N/A	N/A	N/A	N/A	Yes - Pt500, Pt1000
	Resistance	N/A	N/A	N/A	N/A	N/A	N/A
	Potentiometer	N/A	N/A	1 kΩ to 100 kΩ auto sense	N/A	N/A	N/A
	Thermocouple type	N/A	K, J, N, E, T, R, S	N/A	N/A	K, J, N, E, T, R, S	N/A
	Voltage	N/A	(–10 to +70) mV	N/A	N/A	(–10 to +70) mV	N/A
	Current	N/A	N/A	N/A	N/A	N/A	N/A
	Thermistor	N/A	N/A	N/A	N/A	N/A	Yes
OUTPUT		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
GENERAL	Isolation	N/A	Yes	N/A	N/A	Yes	N/A
	Custom linearisation	N/A	N/A	N/A	N/A	N/A	N/A
	Output zero/span alignment to input	Yes - push-button	Yes - push-button	Yes - push-button	N/A	N/A	Yes - push-button
	User offset	N/A	N/A	N/A	Yes	Yes	N/A
	Display	N/A	N/A	N/A	N/A	N/A	N/A
	Ambient operating	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C
	Power supply	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC
	Configuration	Push-button	Push-button	Push-button	PC	PC	Push-button / PC
	Width / diameter	43 mm dia.	43 mm dia.	43 mm dia.	43 mm dia.	43 mm dia.	43 mm dia.
APPROVALS	ATEX	N/A	N/A	N/A	N/A	N/A	N/A
	UKEX	N/A	N/A	N/A	N/A	N/A	N/A
	IEC Ex	N/A	N/A	N/A	N/A	N/A	N/A
	Vibration test	Yes	Yes	N/A	Yes	Yes	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

In-head transmitters

(4 to 20) mA output

TTR 200



TTR 200X



RTD, potentiometer, resistance transmitter; PC configuration.
IS-approved version: TTR200X.

TTC 200



TTC 200X



Thermocouple, mV transmitter; PC configuration.
IS-approved version: TTC200X.

SEM 210 MKII



SEM 210X MKII



RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.
IS-approved version: SEM210X.

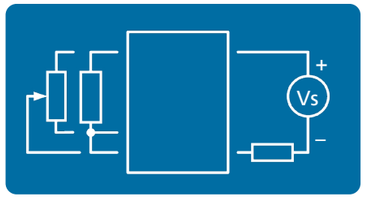
SEM 310 MKII

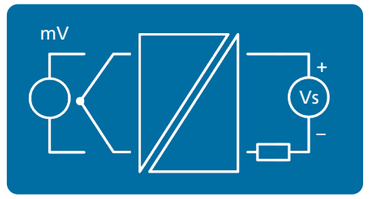


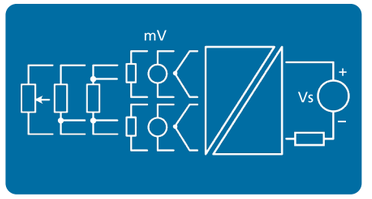
SEM 310X MKII

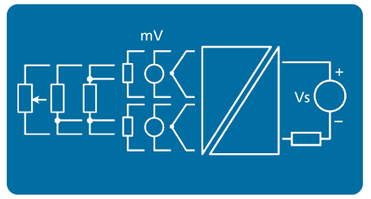


HART 5,6,7 compatible RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.
IS-approved version: SEM310X.









TYPE	In-head	In-head	In-head, dual input	In-head, dual input
INPUT				
Pt100	Yes - 2, 3 wire	N/A	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire
Other RTD sensors	Yes - 2, 3 wire	N/A	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire
Resistance	(10 to 100 k) Ω	N/A	(10 to 10,500) Ω	(10 to 10,500) Ω
Potentiometer	1 kΩ to 100 kΩ auto sense	N/A	1 kΩ to 100 kΩ auto sense	1 kΩ to 100 kΩ auto sense
Thermocouple type	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G custom	K, J, N, E, T, R, S, L, U, B, C, D, G custom	K, J, N, E, T, R, S, L, U, B, C, D, G custom
Voltage	N/A	(–100 to +200) mV	(–1000 to +1000) mV	(–1000 to +1000) mV
Current	N/A	N/A	N/A	N/A
Thermistor	N/A	N/A	N/A	N/A
OUTPUT	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA HART
GENERAL				
Isolation	No	Yes	Yes	Yes
Custom linearisation	Resistance / potentiometer	Yes - mV	Yes	Yes
Output zero/span alignment to input	Yes	Yes	Yes	Yes
User offset	Yes	Yes	Yes	Yes
Display	N/A	N/A	N/A	N/A
Ambient operating	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C
Power supply	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC
Configuration	PC	PC	PC	PC and HART configurator
Width / diameter	43 mm dia.	43 mm dia.	44 mm dia.	44 mm dia.
APPROVALS				
ATEX	Yes	Yes	Yes	Yes
UKEX	Yes	Yes	Yes	Yes
IEC Ex	Yes	Yes	Yes	Yes
Vibration test	Yes	Yes	Yes	Yes
EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326
SIL	N/A	N/A	Yes (see website for more details)	Yes (see website for more details)

In-head transmitters, analogue

(4 to 20) mA output

for applications that require a rapid response



SEM 110P

High-accuracy analogue (4 to 20) mA Pt100 transmitter.



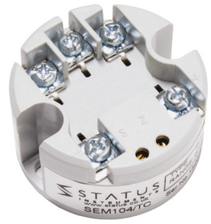
SEM 110TC

High-accuracy analogue (4 to 20) mA thermocouple transmitter.



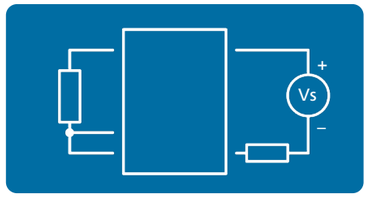
SEM 104P

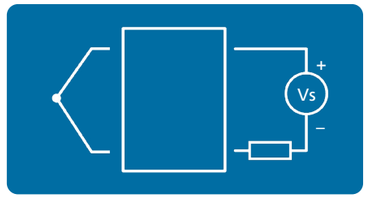
Analogue (4 to 20) mA Pt100 transmitter.

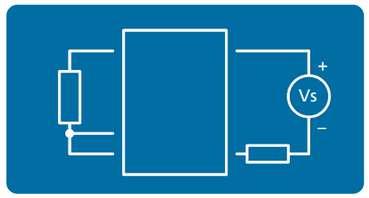


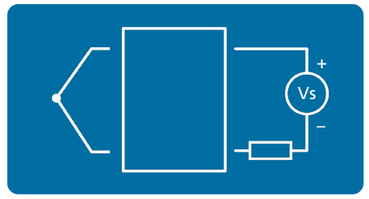
SEM 104TC

Analogue (4 to 20) mA thermocouple transmitter.









	TYPE	In-head	In-head	In-head	In-head
INPUT	Pt100	Yes - 2, 3 wire	N/A	Yes - 2, 3 wire	N/A
	Pt100 difference	Option D	N/A	N/A	N/A
	Resistance	Option Z	N/A	N/A	N/A
	Potentiometer	Option W	N/A	N/A	N/A
	Thermocouple type	N/A	K, J, T, R, S	N/A	K, J, T
	Voltage	N/A	N/A	N/A	(-10 to +70) mV
OUTPUT		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
GENERAL	Output zero/span alignment to input	Yes - potentiometer	Yes - potentiometer	Yes - potentiometer	Yes - potentiometer
	User offset	N/A	N/A	N/A	N/A
	Display	N/A	N/A	N/A	N/A
	Ambient operating	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C
	Power supply	(10 to 45) VDC	(10 to 45) VDC	(10 to 30) VDC	(10 to 30) VDC
	Configuration	Factory-set	Factory-set	Solder link / potentiometer	Solder link / potentiometer
	Width / diameter	53 mm dia.	53 mm dia.	43 mm dia.	43 mm dia.
APPROVALS	ATEX	Yes	Yes	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Rail-mounted transmitters



SEM 1605P

Pt100 transmitter; PC configuration.



SEM 1605TC

Thermocouple transmitter; PC configuration.



SEM 1605TH

Thermistor transmitter; PC configuration.



SEM 1615

RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.



SEM 315 MKII

HART 5,6,7 compatible RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.



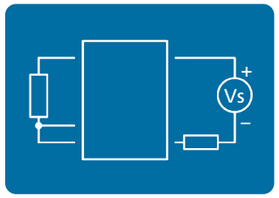
SEM 1801/2XR

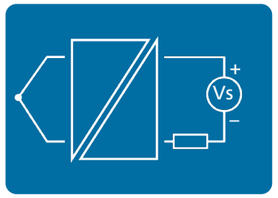
RTD, potentiometer, resistance transmitter; PC configuration. IS-approved.

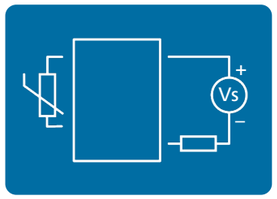


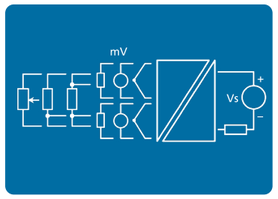
SEM 1801/2XTC

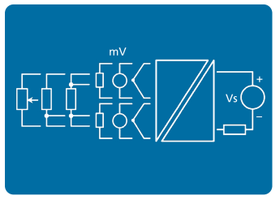
Thermcocouple transmitter; PC configuration. IS-approved.

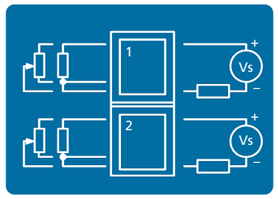


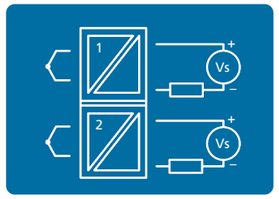












	TYPE	Single channel	Single channel	Single channel	Dual input	Dual input	Single or dual channel	Single or dual channel
INPUT	Pt100	Yes - 2, 3 wire	N/A	N/A	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire	Yes - 2, 3 wire	N/A
	Other RTD sensors	Yes	N/A	Yes - Pt500, Pt1000	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire	Yes - 2, 3 wire	N/A
	Resistance	N/A	N/A	N/A	(10 to 10,500) Ω	(10 to 10,500) Ω	N/A	N/A
	Potentiometer	N/A	N/A	N/A	1 kΩ to 100 kΩ auto sense	1 kΩ to 100 kΩ auto sense	Yes	N/A
	Thermocouple type	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G custom	K, J, N, E, T, R, S, L, U, B, C, D, G custom	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G
	Voltage	N/A	N/A	N/A	(–1000 to +1000) mV	(–1000 to +1000) mV	N/A	(–100 to +200) mV
	Current	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Thermistor	N/A	N/A	Yes	N/A	N/A	N/A	N/A
OUTPUT		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA HART	(4 to 20) mA	(4 to 20) mA
GENERAL	Isolation	N/A	Yes	N/A	Yes	Yes	N/A	N/A
	Custom linearisation	N/A	N/A	N/A	Yes	Yes	Yes - resistance / potentiometer	Yes
	Output zero/span alignment to input	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	User offset	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Ambient operating	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
	Power supply	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC
	Configuration	PC	PC	PC	PC	PC / HART configurator	PC	PC
	Width	12.5 mm	12.5 mm	12.5 mm	17.5 mm	17.5 mm	22 mm	22 mm
APPROVALS	ATEX	N/A	N/A	N/A	N/A	N/A	Yes	Yes
	UKEX	N/A	N/A	N/A	N/A	N/A	Yes	Yes
	IEC Ex	N/A	N/A	N/A	N/A	N/A	Yes	Yes
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326
	SIL	N/A	N/A	N/A	Yes (see website for more details)	Yes (see website for more details)	N/A	N/A

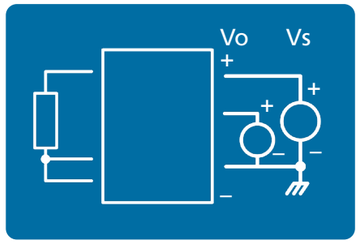
In-head and DIN-rail temperature transmitters

Voltage output



SEM 206PV

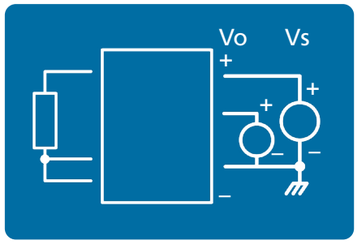
Pt100 transmitter;
PC configuration.





SEM 1605PV

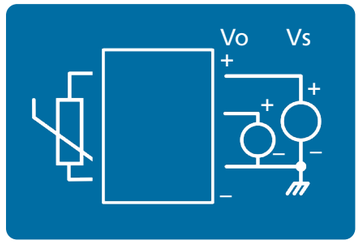
Pt100 transmitter;
PC configuration.





SEM 206THV

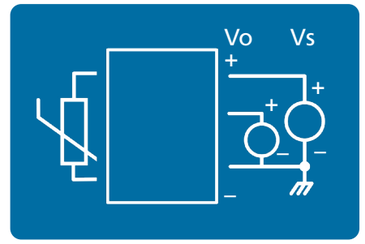
Thermistor transmitter;
PC / push-button configuration.





SEM 1605THV

Thermistor transmitter;
PC configuration.



	TYPE	In-head	Single channel	In-head	Single channel
INPUT	Pt100	Yes - 2, 3 wire	Yes - 2, 3 wire	N/A	N/A
	Other RTD sensors	N/A	Yes	Yes - Pt1000, Pt500	Yes - Pt1000, Pt500
	Resistance	N/A	N/A	N/A	N/A
	Potentiometer	N/A	N/A	N/A	N/A
	Thermocouple type	N/A	N/A	N/A	N/A
	Voltage	N/A	N/A	N/A	N/A
	Current	N/A	N/A	N/A	N/A
	Thermistor	N/A	N/A	Yes	Yes
OUTPUT		Voltage (0 to 10) V	Voltage (0 to 10) V	Voltage (0 to 10) V	Voltage (0 to 10) V
GENERAL	Isolation	N/A	N/A	N/A	N/A
	Custom linearisation	N/A	N/A	N/A	N/A
	Output zero/span alignment to input	N/A	Yes	N/A	Yes
	User offset	Yes	Yes	Yes	Yes
	Display	N/A	N/A	N/A	N/A
	Ambient operating	(–40 to +85) °C	(–30 to +70) °C	(–40 to +85) °C	(–30 to +70) °C
	Power supply	(15 to 30) VDC	(15 to 30) VDC	(15 to 30) VDC	(15 to 30) VDC
	Configuration	PC	PC	PC	PC
	Width / diameter	43 mm dia.	12.5 mm	43 mm dia.	12.5 mm
APPROVALS	ATEX	N/A	N/A	N/A	N/A
	UKEX	N/A	N/A	N/A	N/A
	IEC Ex	N/A	N/A	N/A	N/A
	Vibration test	N/A	N/A	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Temperature transmitters and loop-powered displays

DM650LP could be used with in-head transmitters or an existing loop.

Please also see DM720 for compact panel-mount option (see page 34).



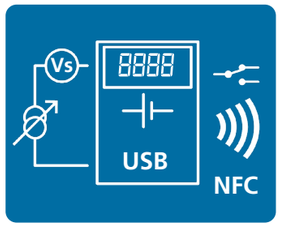
DM 650LP

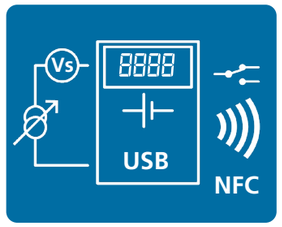
(4 to 20) mA loop-powered LCD process indicator with relay and datalogging, and optional battery back-up.



DM 650LP/55

(4 to 20) mA loop-powered LCD process indicator with relay and datalogging, and optional battery back-up.





	Mechanical	Sensor / surface mount	Sensor / surface mount
INPUT	Pt100	N/A	N/A
	Thermocouple	N/A	N/A
	Pressure and media temperature	N/A	N/A
	Humidity and media temperature	N/A	N/A
	Current	(4 to 20) mA loop	(4 to 20) mA loop
	Voltage	N/A	N/A
	Linearisation / offset	Both	Both
OUTPUT	Display	6-digit LCD (7.9 mm)	6-digit LCD (7.9 mm)
	Relay	Yes - 1 relay	Yes - 1 relay
	Data download	USB / NFC	USB / NFC
	Custom messaging	Yes	Yes
	Datalogging	Yes - up to 5000 points	Yes - up to 5000 points
	Max / min	Yes - via datalogging	Yes - via datalogging
GENERAL	Ambient operating	(–30 to +70) °C	(–30 to +70) °C
	Power supply	(4 to 20) mA loop	(4 to 20) mA loop
	Battery life	2 years typical	2 years typical
	Enclosure	SCH4	SCH55
	Environmental rating	IP67	IP67
	Configuration	USB and NFC (some functions)	USB and NFC (some functions)
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326
	ATEX	N/A	N/A

All-in-one transmitter and display



SEM 710TM

Head-mounted RTD, thermocouple transmitter with integrated LCD display. PC configuration.



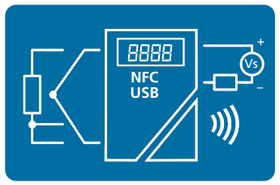
SEM 320/55

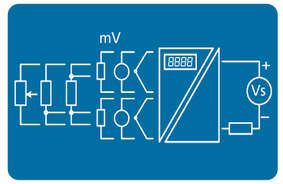
Head-mounted universal dual input transmitter, with HART 5, 6, 7 and integrated LCD display. PC configuration.

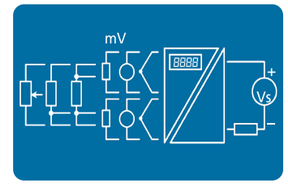


SEM 320X/55

ATEX-approved head-mounted universal dual input transmitter, with HART 5, 6, 7 and integrated LCD display. PC configuration.







	Mechanical	In-head (SCH4) Sensor / surface mount	In-head, dual input (SCH55) Sensor / surface mount	In-head, dual input (SCH55) Sensor / surface mount
INPUT	Pt100	Yes - 2, 3 wire	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire
	Other RTD sensors	Yes - 2, 3 wire	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire
	Resistance	N/A	(10 to 10,500) Ω	(10 to 10,500) Ω
	Potentiometer	N/A	1 kΩ to 100 kΩ auto sense	1 kΩ to 100 kΩ auto sense
	Thermocouple type	K, J, N, E, T, R, S, B	K, J, N, E, T, R, S, L, U, B, C, D, G custom	K, J, N, E, T, R, S, L, U, B, C, D, G custom
	Voltage	N/A	(–1000 to +1000) mV	(–1000 to +1000) mV
	Current	(0 to 25) mA	N/A	N/A
	Thermistor	N/A	N/A	N/A
OUTPUT		(0 to 23) mA Sense	(4 to 20) mA HART	(4 to 20) mA HART
GENERAL	Isolation	Yes	Yes	Yes
	Custom linearisation	Yes - mA	Yes	Yes
	Output zero/span alignment to input	N/A	Yes	Yes
	User offset	Yes - temp	Yes	Yes
	Display	6-digit LCD (7.9 mm)	Multifunctional LCD	Multifunctional LCD
	Ambient operating	(–20 to +70) °C	(–25 to +85) °C	(–25 to +85) °C
	Power supply	(15 to 30) VDC	(12 to 30) VDC	(12 to 30) VDC
	Configuration	PC / push-button / NFC	PC and HART configurator	PC and HART configurator
	Data download	Datalogging via NFC / USB	N/A	N/A
	Dimensions	(see datasheet)	(see datasheet)	(see datasheet)
APPROVALS	ATEX	N/A	N/A	Yes - Ex ia, Ex D
	UKEX	N/A	N/A	Yes - Ex ia, Ex D
	IEC Ex	N/A	N/A	Yes - Ex ia, Ex D
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326
	SIL	N/A	Yes (see website for more details)	Yes (see website for more details)

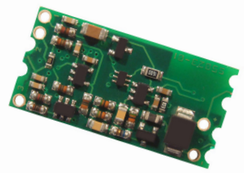
Temperature transmitters

Other packages



HTR
200/1

MA head-mounted RTD, potentiometer, resistance transmitter.



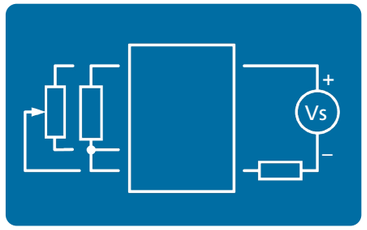
SEM
106P

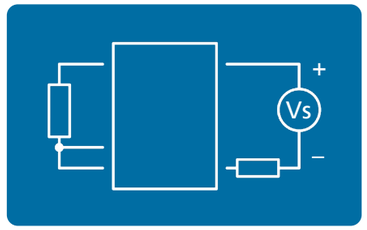
OEM transmitter - build into your own device.

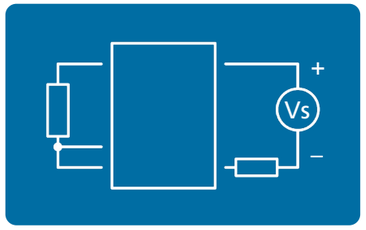


STA
206P

Space-saving 'all-in-one' Pt100 sensor and transmitter.







	TYPE	In-head	PCB Board	In-head
INPUT	Pt100	Yes - 2, 3 wire	Yes - 2, 3 wire	Yes - 2, 3 wire
	Other RTD sensors	Yes - 2, 3 wire	N/A	N/A
	Resistance	(10 to 10,500) Ω	N/A	N/A
	Potentiometer	1 kΩ to 100 kΩ auto sense	N/A	N/A
	Thermocouple type	N/A	N/A	N/A
	Voltage	N/A	N/A	N/A
	Current	N/A	N/A	N/A
	Thermistor	Yes	N/A	N/A
OUTPUT		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
GENERAL	Isolation	N/A	N/A	N/A
	Custom linearisation	Yes - resistance / potentiometer	N/A	N/A
	Output zero/span alignment to input	Yes	N/A	N/A
	User offset	Yes	Yes	Yes
	Display	N/A	N/A	N/A
	Ambient operating	(–40 to +85) °C	(–40 to +85) °C	(–40 to +85) °C
	Power supply	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC
	Configuration	PC	PC	PC
	Dimensions	(see data sheet)	30 x 15 mm	(see data sheet)
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326

Field mounted indicators and switches

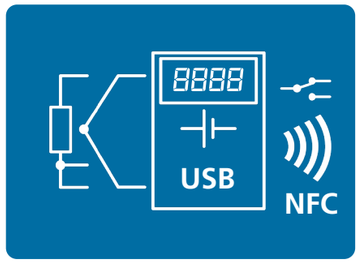
- temperature

The DM650 series has the sensor supplied separately.



DM 650TM

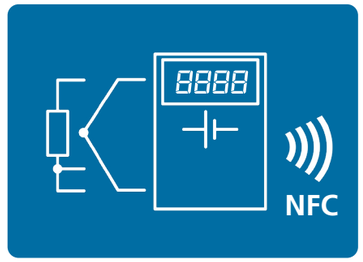
LCD battery-powered Pt100 and thermocouple thermometer, with relay and datalogging.





DM 650XTM

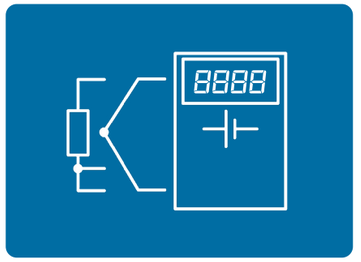
ATEX-approved LCD battery-powered Pt100 and thermocouple thermometer, with relay and datalogging.





DM 665TM

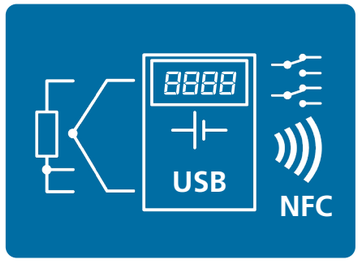
Large-digit LCD battery-powered Pt100 and thermocouple thermometer.





DM 670TM

Large-digit LCD battery-powered Pt100 and thermocouple thermometer, with two relays and datalogging.



	Mechanical	**Sensor / surface mount**	**Sensor / surface mount**	**Sensor / surface / panel mount**	**Sensor / surface / panel mount**
INPUT	**Pt100**	Yes	Yes	Yes	Yes
	Thermocouple	K, J, T, R, S, E, L, N, U, B, C, D, G	K, J, T, R, S, E, L, N, U, B, C, D, G	K, J, T, R, S, N, E	K, J, T, R, S, E, L, N, U, B, C, D, G
	RTD - other options	Yes	Yes	Yes	Yes
	Linearisation / offset	Offset	Offset	Offset	Both
OUTPUT	**Display**	6-digit LCD (7.9 mm)	6-digit LCD (7.9 mm)	6-digit LCD (15.8 mm)	6-digit LCD (15.8 mm)
	Relay	Yes - 1 relay	N/A	N/A	Yes - 2 relays
	Data download	USB / NFC	NFC	N/A	USB / NFC
	Custom messaging	Yes	No	N/A	Yes
	Datalogging	Yes - up to 5000 points	Yes - up to 1500 points	N/A	Yes - up to 5000 points
	Max / min	Yes - via datalogging	Yes - via datalogging	Yes	Yes, and relay condition
GENERAL	**Ambient operating**	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
	Power supply	Battery 3.6 V lithium	Battery 3.6 V lithium	2 x AA 1.5V alkaline, or lithium	Battery 3.6 V lithium
	Battery life	2 years typical	2 years typical	2 years typical, depending on battery type	2 years typical
	Enclosure	SCH4	SCH4	Stainless steel 100mm diameter	Stainless steel 100mm diameter
	Environmental rating	IP67	IP67	IP65	IP65
	Configuration	USB	Push-button and NFC (some functions)	Push-button	USB
APPROVALS	**ATEX**	N/A	Yes	N/A	N/A
	UKEX	N/A	Yes	N/A	N/A
	IEC Ex	N/A	Yes	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Probe assemblies



(typical examples)

We pride ourselves on being able to supply probe assemblies for almost any specification.

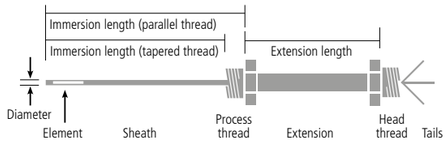
To that end, we have shown here our range of probe styles, in combination with some of our compatible transmitters, heads and thermowells, and other accessories.

Simply follow the left-to-right progression shown at the top of the page to compile your requirement.

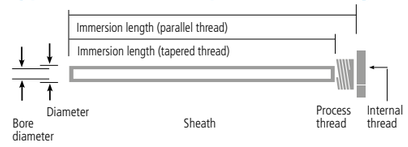
The typical diagrams below show what factors can be specified when ordering probes and thermowells - which include temperature range and immersion depth, but can also accommodate special threads, diameters and other details if required.

If you would like to know more, or discuss a specific requirement, please call our sales team.

Typical probe specification diagram



Typical thermowell specification diagram



Probes



STS **Style 1**



STS **Style 2**



STS **Style 3**



STS **Style 4**



STS **Style 5**



STS **Style 6**



STS **Style 7**



STS **Style 8**



STS **Style 9**



STS **Style 10**



STS **Style 11**



STS **Style 12**

(items shown not necessarily to scale)

Transmitters/ Displays

Many will suit; these are just some examples

SEM 210X



In-head range. See page 15

DM 650TM



Battery-powered range. See page 26

DM 670TM



Battery-powered range. See page 27

DM 650LP



Loop-powered range. See page 22

SEM 710TM



Loop-powered transmitter with display. See page 23

Connection blocks



Heads

SCH4



ABS plastic

SCH11



Aluminium

Ask us about our Ex ia connection heads

SCH15



Stainless steel

SCH55



Stainless steel / Aluminium
Ex d and Ex ia

We are certified to supply Ex d and Ex ia probe assemblies

Please note that we also supply **Connection heads with built-in displays**



Example shown: DM650LP/55

Compression glands



Thermowells

STW Style 1



STW Style 2



STW Style 3



STW Style 4



STW Style 5



STW Style 6

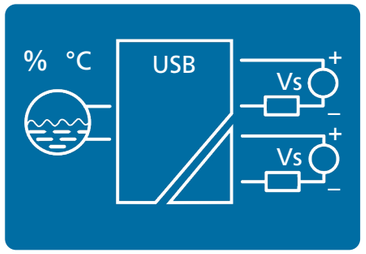


Humidity and temperature transmitters, indicators and switches

* Supply voltage (15 to 30) VDC when display fitted.

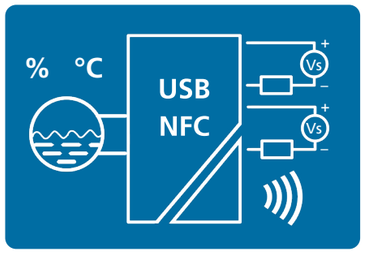


Cost-effective dual-channel humidity / temperature transmitter. Duct or wall mount.



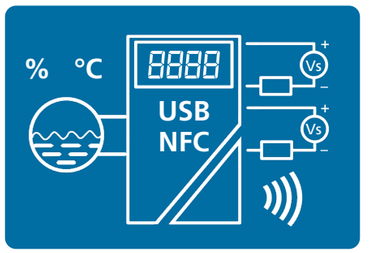


Dual-channel humidity / temperature transmitter. Duct, wall or remote mount.
Note: replaceable sensors



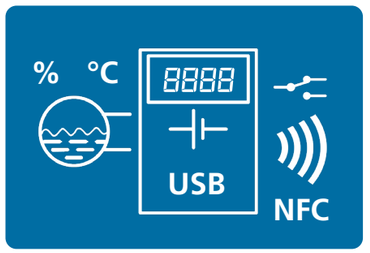


Dual-channel humidity / temperature transmitter with display. Duct, wall or remote mount.
Note: replaceable sensors





LCD battery-powered humidity and temperature indicator, with relay and datalogging.



INPUT	Temperature range	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
	Humidity (RH)	(10 to 90) %	(10 to 90) %	(10 to 90) %	(10 to 90) %
BASE ACCURACY	Temperature	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
	Humidity (RH)	±3% RH	±2% RH	±2% RH	±2% RH
OUTPUT	Output channels	2 x (4 to 20) mA	2 x (4 to 20) mA	2 x (4 to 20) mA	Yes - 1 relay
	Datalogging	N/A	Yes	Yes	Yes - 5000 points
	Output choices: Temperature	Default	Default	Default	Default
	Humidity	Default	Default	Default	Default
	Dewpoint	Programmable	Programmable	Programmable	Programmable
	ΔTd - difference between dewpoint temperature and temperature	Programmable	Programmable	Programmable	Programmable
	Direct thermistor option	Yes - single channel option only	N/A	N/A	N/A
	Data download	N/A	USB / NFC	USB / NFC	USB / NFC
GENERAL	Plug-in sensor	No	Yes	Yes	Yes
	Mounting option, cable / sensor length	Wall - 120 mm Duct - 120, 250 mm	Wall - 110 mm Duct - 120, 250 mm	Wall - 110 mm Duct - 120, 250 mm	Wall - 110 mm Duct - 120, 250 mm
	Display	N/A	N/A	6-digit LCD (7.9mm)	6-digit LCD (7.9mm)
	Configuration	PC	PC and NFC (some functions)	PC and NFC (some functions)	PC and NFC (some functions)
	Power supply	(10 to 30) VDC *	(10 to 30) VDC *	(10 to 30) VDC *	Battery - 3.6V lithium 2 years life typical
	Ambient operating temperature (electronics, not sensor)	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C	(–30 to +70) °C
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Panel meters

Panel meter housing accessory available



DM 720

Loop-powered panel meter.



DM 3410

Pt100 / Thermocouple 4-digit panel meter with output options.



DM 3420

Current / voltage 4-digit panel meter with output options.



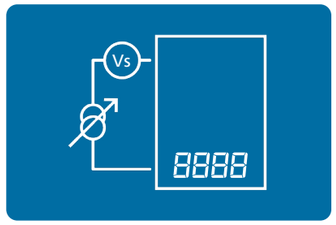
DM 3600U

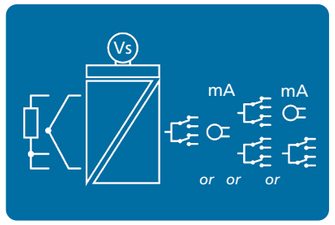
6-digit universal panel meter.

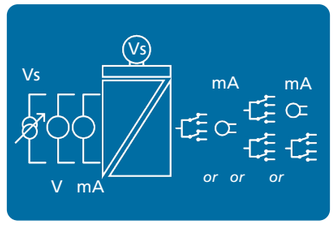


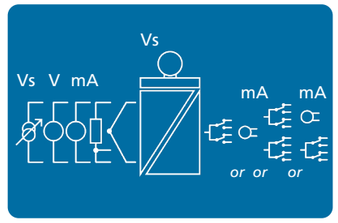
DM 3600A

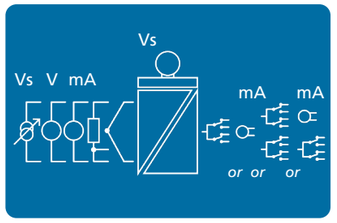
6-digit universal panel meter with rate /totaliser.





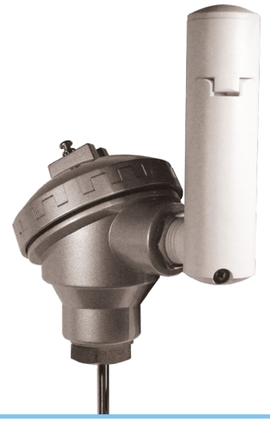






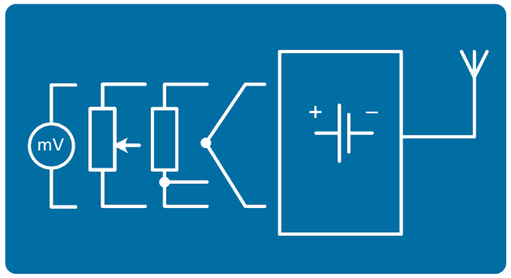
	Mechanical	(48 x 24) mm panel mount	(96 x 48) mm panel mount	(96 x 48) mm panel mount	(96 x 48) mm panel mount	(96 x 48) mm panel mount
INPUT	Pt100	N/A	Yes	N/A	Yes	Yes
	Thermocouple	N/A	K, J, T, R, S, E, L, N. B	N/A	K, J, T, R, S, E, L, N. B	K, J, T, R, S, E, L, N. B
	Current	Yes (passive)	N/A	Yes (active or passive)	Yes (active or passive)	Yes (active or passive)
	Voltage	N/A	N/A	(0 to 1) (1 to 5) (0 to 10) VDC	±100 mV, ±1 VDC, ±10 VDC	±100 mV, ±1 VDC, ±10 VDC
	Frequency / pulse	N/A	N/A	N/A	N/A	N/A
	Remote digital inputs	N/A	N/A	N/A	Yes - with comms	Yes - with comms
	User linearisation	N/A	N/A	Yes	Yes	Yes
OUTPUT	*See datasheet for full details and specific output combinations*	4-digit LED process display	2 x relay (250 VAC @ 5 A) POD Current (active or passive) POD 4-digit LED process display	2 x relay (250 VAC @ 5 A) POD Current (active or passive) POD 4-digit LED process display	2 x relay (250 VAC @ 5 A) POD Current (active or passive) POD RS485 Modbus (RJ45) 6-digit LED process display	2 x relay (250 VAC @ 5 A) POD Current (active or passive) POD RS485 Modbus (RJ45) 6-digit LED process display
GENERAL	Isolation	N/A	Yes	Yes	Yes	Yes
	Display	4-digit LED 10 mm	4-digit LED 14.2 mm	4-digit LED 14.2 mm	6-digit LED 14.2 mm	6-digit LED 14.2 mm
	Ambient operating	(–10 to +60) °C	(–30 to +60) °C	(–30 to +60) °C	(–30 to +60) °C	(–30 to +60) °C
	Power supply	(4 to 20) mA loop	(20 to 35) VDC **or** (90 to 253) VAC	(20 to 35) VDC **or** (90 to 253) VAC	(20 to 35) VDC **or** (90 to 253) VAC	(20 to 35) VDC **or** (90 to 253) VAC
	Loop power supply	N/A	Output (option)	Input, output (option)	Input, output (option)	Input, output (option)
	Sensor excitation	N/A	N/A	N/A	N/A	N/A
	Configuration	Push-button	Push-button	Push-button	Push-button / comms option	Push-button / comms option
	Max / min display	N/A	N/A	Yes	Yes	Rate / total
	Comms	N/A	N/A	N/A	Option	Option
	TFML maths functions	N/A	N/A	N/A	Yes - with comms	Yes - with comms
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Wireless transmitters



WTX 700

Universal head-mounted wireless transmitter

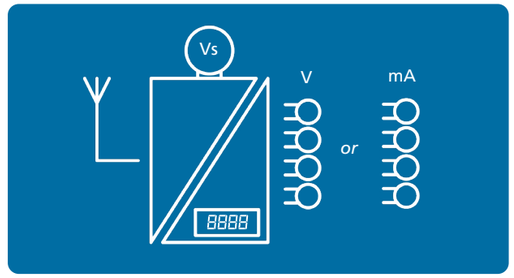


Head mount in SCH4 or SCH11

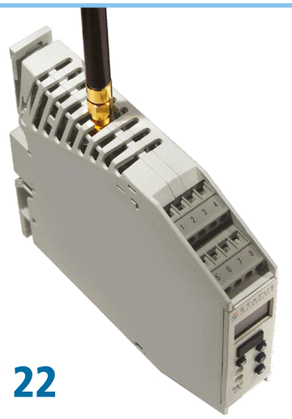


WRX 900 / 04

Wireless receiver for up to 16 x WTX700

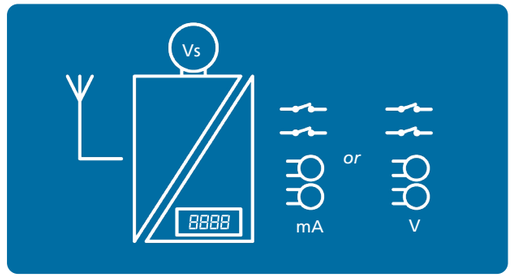


DIN rail



WRX 900 / 22

Wireless receiver for up to 16 x WTX700



DIN rail

TYPE		**Head mount in SCH4 or SCH11**	**DIN rail**	**DIN rail**
INPUT	Pt100	Yes	From radio signal	From radio signal
	RTD options	Yes	From radio signal	From radio signal
	Potentiometer	Up to 10 kΩ autosense	From radio signal	From radio signal
	Thermocouple	J, K, T, L, U, E, N, S, R, B, C, D	From radio signal	From radio signal
	Voltage	(0 to 50) mV	From radio signal	From radio signal
	Custom linearisation	Yes - set on receiver	From radio signal	From radio signal
	User offset	Yes - set on receiver	Yes - potentiometer / mV range	Yes - potentiometer / mV range
	Measurement data on ISM band 868.4MHz	Yes - transmit	Yes - receive	Yes - receive
OUTPUT		Measurement data on ISM band 868.4 MHz	4 x current - active / passive **or** voltage	2 x current - active / passive **or** voltage
				2 off (250 VAC @ 3A) C/O relay
	Communication	N/A	RS485 Modbus for up to 16 x WTX700	RS485 Modbus for up to 16 x WTX700
GENERAL	Transmit / receive range	300 m line of sight	300 m line of sight	300 m line of sight
	Transmitter / receiver links	Links to any number of receivers	Links up to 16 x WTX700 transmitters	Links up to 16 x WTX700 transmitters
	Ambient operating	(–30 to +70) °C	(–20 to +50) °C	(–20 to +50) °C
	Power supply	Battery 3.6V lithium	(110 to 240) VAC or (20 to 30) VDC	(110 to 240) VAC or (20 to 30) VDC
	Configuration with programming module	Configuration kit	PC / push-button	PC / push-button
	Width	(see data sheet)	22.5 mm	22.5 mm
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326

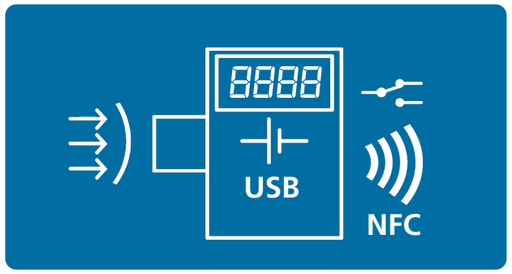
Field mounted indicators and switches

- pressure

DM 650PM



LCD battery-powered pressure and media temperature indicator with relay and datalogging.

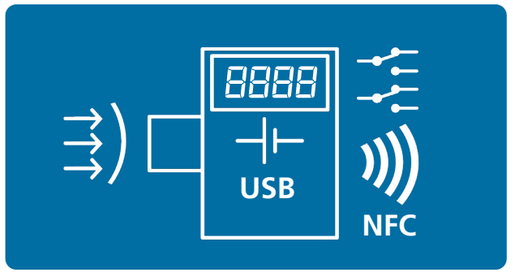


Sensor / surface mount

DM 670PM



Large-digit LCD battery-powered pressure and media temperature indicator, with two relays and datalogging.



Sensor / surface / panel mount

INPUT	**Mechanical**		
	Pt100	N/A	N/A
	Thermocouple	N/A	N/A
	Pressure and media temperature	Yes - sensor included, ¼" BSP thread (adaptors available)	Yes - sensor included, ¼" BSP thread (adaptors available)
	Humidity and media temperature	N/A	N/A
	Current	N/A	N/A
	Voltage	N/A	N/A
	Linearisation / offset	Pressure	Pressure
OUTPUT	Display	6-digit LCD 7.9 mm	6-digit LCD 15.8 mm
	Relay	Yes - 1 relay	Yes - 2 relays
	Data download	USB / NFC	USB / NFC
	Custom messaging	Yes	Yes
	Datalogging	Yes - up to 5000 points	Yes - up to 3600 points
	Max / min	Yes - via datalogging	Yes, and relay option
GENERAL	Ambient operating	(–30 to +70) °C	(–30 to +70) °C
	Power supply	Battery 3.6 V lithium	Battery 3.6 V lithium
	Battery life	2 years typical	2 years typical
	Enclosure	SCH4	Stainless steel 100mm diameter
	Environmental rating	IP67	IP65
	Configuration	USB and NFC (some functions)	USB
APPROVALS	ATEX	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326

Pressure transmitters

Pressure transmitters can be customised with specialised fittings (such as hygienic tri-clamps, flushed diaphragms, etc) including our pressure digital gauges DM650PM and DM670PM (see pages 30 / 31).



SEM 710PM

Pressure transmitter.



SEM 710PM/DP

Pressure transmitter with display.



PTX 15

High specification pressure transmitter with ATEX version.



PTX 19

High specification pressure transmitter with ATEX / IECEx version.



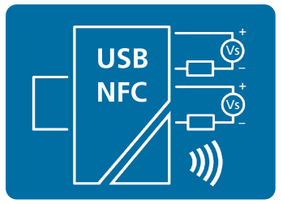
PTX 20

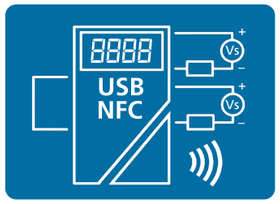
High specification liquid level transmitter with ATEX / IECEx version.

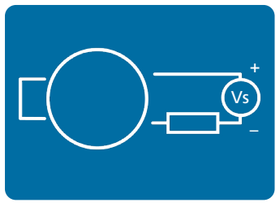


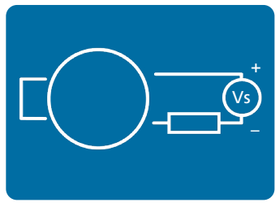
PTX 23

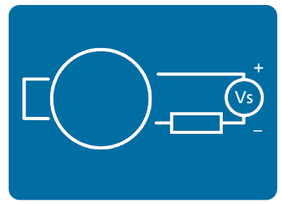
High specification corrosive media level transmitter.

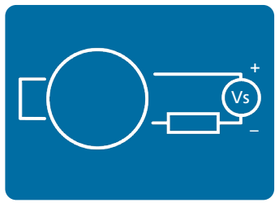












PRESSURE	**Range options**	**Range from zero**	(> – 0.1 to 600) Bar	(> – 0.1 to 600) Bar	(> – 0.1 to 600) Bar	(> – 0.1 to 1000) Bar	(>0.5 to 250) mH20	(>1 to 250) mH20
		Other ranges	Please enquire	Please enquire	N/A	N/A	N/A	N/A
	Type	**Gauge**	Yes	Yes	Yes	Yes	Yes	Yes
		Absolute	Yes	Yes	Yes	Yes	Yes	Yes
		Sealed gauge	N/A	N/A	N/A	Yes	N/A	N/A
OUTPUT	**2-wire (4 to 20) mA loop-powered**		Yes x 2 (temp and pressure)	Yes x 2 (temp and pressure)	Yes	Yes	Yes	Yes
	Voltage output		N/A	N/A	Yes (optional)	Yes (optional)	N/A	N/A
	Datalogging		Yes	Yes	N/A	N/A	N/A	N/A
	Linearisation		Yes (pressure & process)	Yes (pressure & process)	N/A	N/A	N/A	N/A
GENERAL	**Standard basic accuracy**		See datasheet	See datasheet	See datasheet	See datasheet	See datasheet	See datasheet
	Operating temperature		(–20 to +70) °C	(–20 to +70) °C	(–20 to +125) °C	(–40 to +125) °C	(–5 to +80) °C	(–5 to +80) °C
	Process temperature		(–40 to +110) °C	(–40 to +110) °C	(–20 to +150) °C	(–40 to +150) °C	(–5 to +80) °C	(–5 to +80) °C
	Diaphragm material		316 stainless steel	316 stainless steel	316 stainless steel	316 stainless steel	316 stainless steel	316 stainless steel with Teflon protection
	Material of body and process connection		316 stainless steel	316 stainless steel	303 stainless steel	303 stainless steel	303 stainless steel	PVDF
	Standard seals		Viton	Viton	Viton	Viton	Viton	Viton
	Standard cable		N/A	N/A	N/A	N/A	1m PUR	1m PUR
	Configuration		PC via USB	PC via USB	Fixed	Fixed	Fixed	Fixed
	Display		N/A	6-digit LCD (7.9mm)	N/A	N/A	N/A	N/A
PROCESS CONNECTION	**1/4" BSP**		Yes	Yes	Yes	Yes	N/A	N/A
	1/4" NPT		adaptor	adaptor	Yes	Yes	N/A	N/A
	1/2" BSP		adaptor	adaptor	Yes	Yes	N/A	N/A
	1/2" BSP flush		adaptor	adaptor	Yes	Yes	N/A	N/A
	Other to order		Yes	Yes	Yes	Yes	N/A	N/A
	Open or closed ends		N/A	N/A	N/A	N/A	Yes	Yes
APPROVALS	**ATEX**		N/A	N/A	Yes	Yes	Yes	N/A
	UKEX		N/A	N/A	Yes	Yes	Yes	N/A
	IEC Ex		N/A	N/A	N/A	Yes	Yes	N/A
	EMC / UKCA		EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

The versatility of our displays

Status offer display and mounting solutions for every need, at every level

We will configure and build to your exact requirements - including choice of cap, blanking plugs, and entry ports (½" BSP, M20, M24, M16)

Please note that supplied with the DM650, at no extra cost:

- Relay option.
- Datalogging capability.

Using our DM650 as an example:



SCH4

Here a DM650 is mounted in our standard SCH4 head - a robust ABS plastic enclosure, which is suitable for most purposes.



SCH15

A DM650 is mounted in our SCH15 stainless steel enclosure, when extra strength and protection are needed.



SCH55

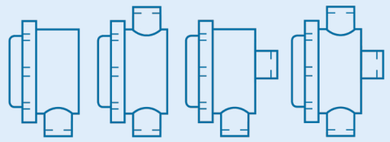
ATEX displays can be used with ATEX transmitters, within approved enclosures like our SCH55, to create cost-effective ATEX assemblies.

Every assembly can function either as a remote battery-powered display, or if combined with one of our in-head transmitters, as a cost-effective loop-powered system.

For our range of in-head transmitters, see pages 12 - 17.



Various entry port combinations can be specified:



Blanking plugs and higher caps are also available.

Further options Check out our all-in-one displays - like the SEM710 or SEM320 - or create solutions using our panel meter range.

Free software and apps

ALL SOFTWARE AND APPS ARE FREE

Accessing and processing data from Status products couldn't be simpler. Or cheaper.

We offer a comprehensive range of free apps for tablets and smart devices, plus free SpeedLink software for Windows PC.

RTD Pt100 Converter

converts between Ohms, Pt100, Pt500, Pt1000, °Celsius and °Fahrenheit.

Temperature Convertor

converts temperature readings between °Celsius, °Fahrenheit and °Kelvin.

Thermocouple Convertor

converts thermocouple and mV readings between °Celsius, °Fahrenheit and °Kelvin.

Process to Signal

converts a process signal value, in any engineering unit, into a control signal in milliamps, millivolts, or volts. For use in temperature measurement, process control, and signal conditioning.

USB ViewLink

using USB on-the-go, ViewLink connects directly to your Status devices, allowing you to view real-time live data, including input and output variables, TAG data and device-specific variables (such as a batch counter for the SEM1600F).

NFC LogLink

for use with our DM670/DM650 series to download datalogs, manipulate data, then send via email and to the cloud.

NFC Link

NFC Link is a free configuration utility compatible with the latest products from Status Instruments, allowing users to configure standard parameters for our DM650 and SEM710 instrumentation series. Visit our app shop to read more.

SpeedLink configuration software for Windows PC

Basic and advanced configuration software for Status instrumentation.



- Easy configuration, with the use of drop-down menus
- Quick-connect, for easy recognition of products
- Tools and help screens, to guide you through the process
- Basic and advanced function options in product
- Pre-set selections and custom type areas

*Also, check out our **USB LogLink** datalogging software for selected products. See website for details.*

Solution overview

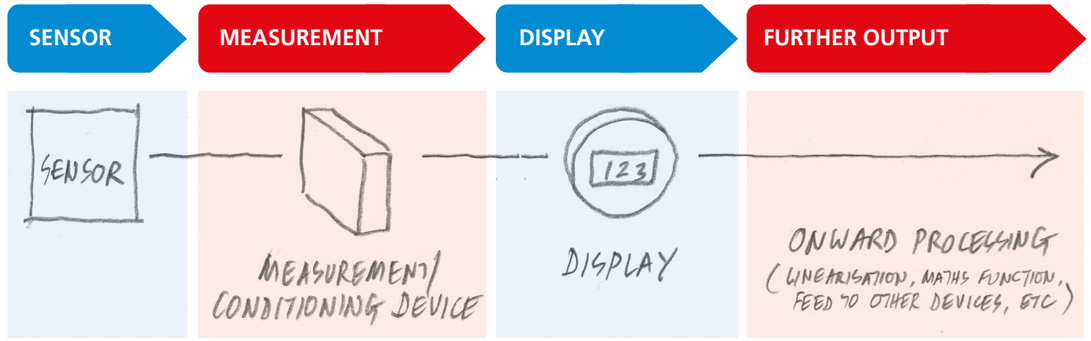
For every application, there is a Status product, and a practical solution.

We pride ourselves on being able to offer the kind of technical support that will help you diagnose opportunities, recognise the optimum solution and specify the appropriate Status products.

Every application contains a series of processes, which we look at as ‘journeys’, from source to final output.

The basic principle is shown below, and opposite we show how Status can help you ‘journey’ from sensor output (or from any mA or V process signal) to arrive at the outcome you require.

By asking you a series of consultative questions, your needs can be analysed, mapped and assessed, then accommodated with products from the Status range.

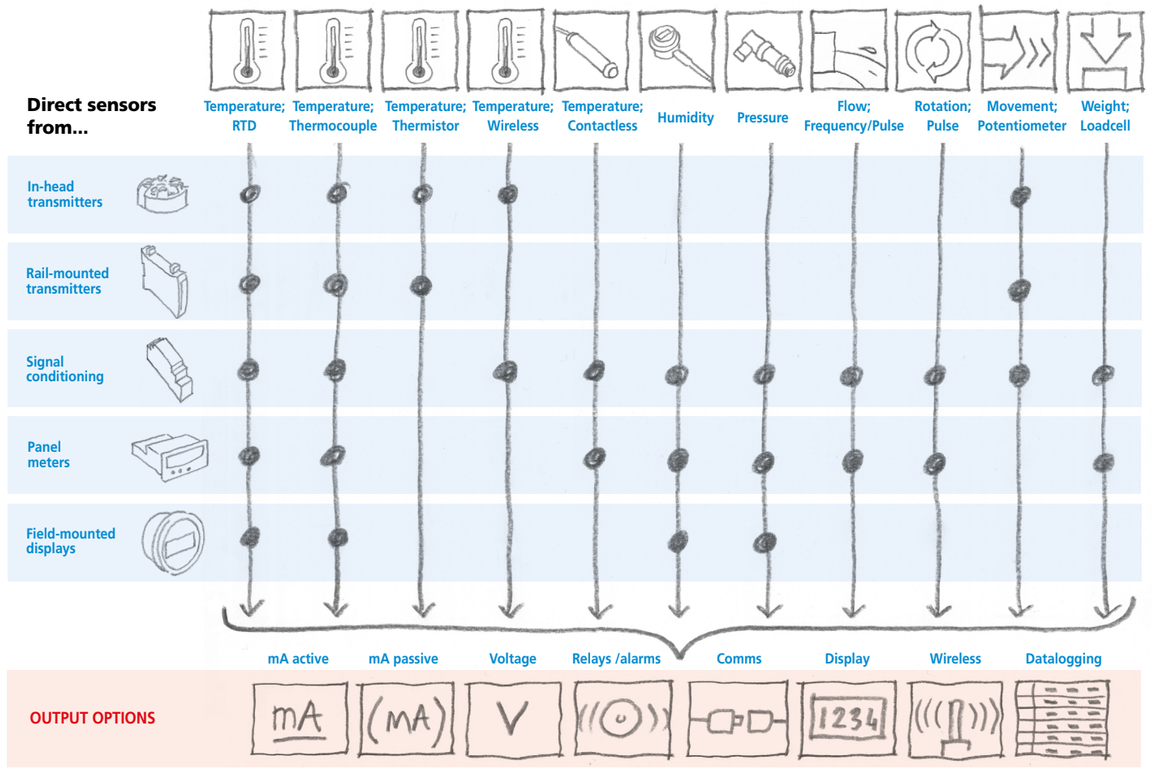


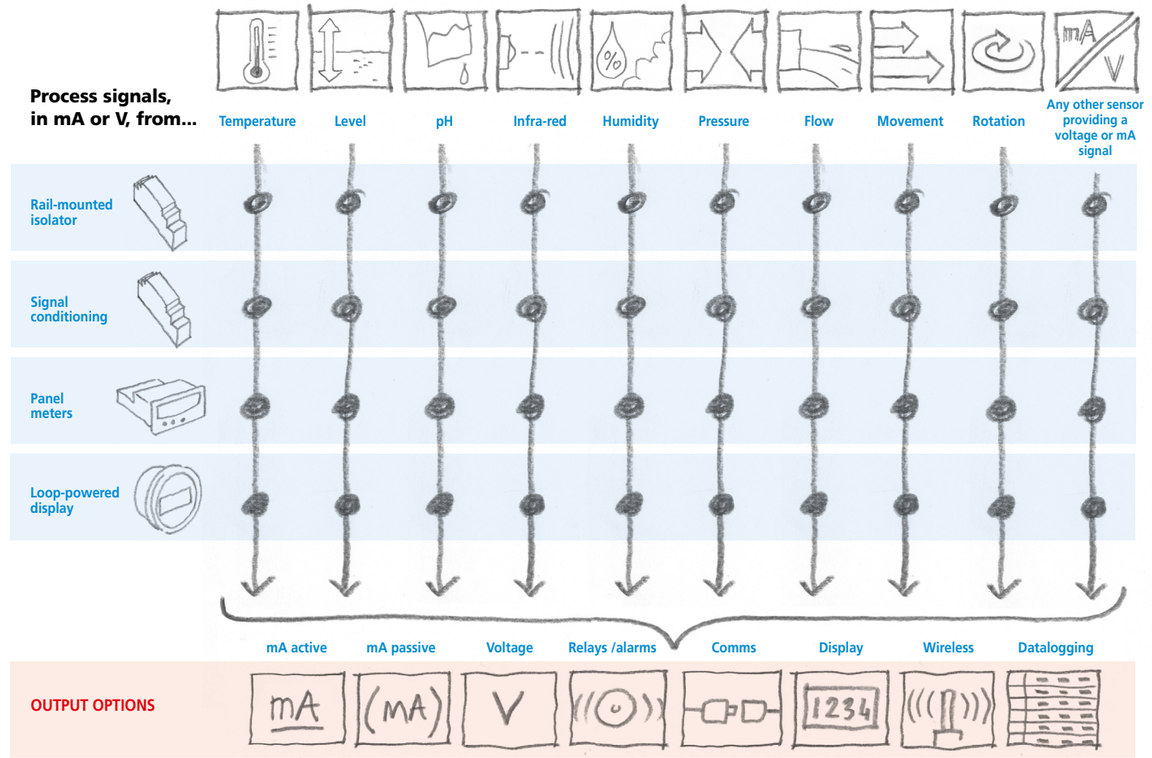
We’re always there for you

We offer a service that we believe is second to none, with every facility and provision you could ever need. And all you have to do is ask.

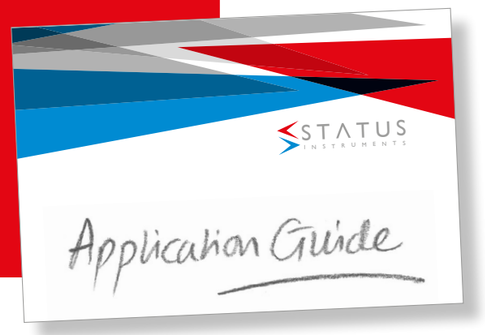
RESEARCH AND DEVELOPMENT | PERSONAL SERVICE | FLEXIBLE TECHNICAL SUPPORT | PARTNERSHIP AND CUSTOM DESIGN | GLOBAL REPRESENTATION | APPROVALS

CONTACT US to discuss your requirements further - www.status.co.uk





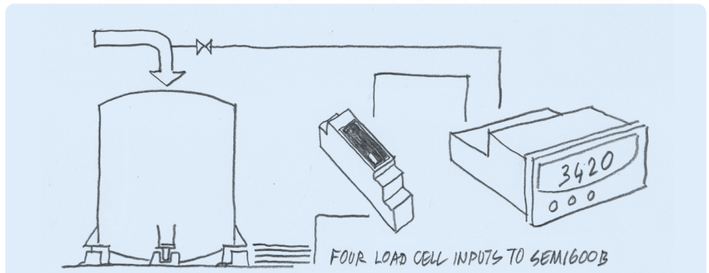
The Application Guide



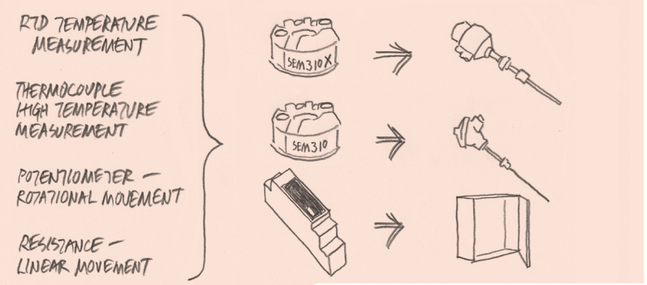
Industries, environmental conditions and circumstantial factors mean that although many applications for Status products may be broadly similar, they are rarely exactly the same. That's why we've developed a series of **Application Guides**, which not only help you identify the appropriate Status products for your needs, but show you how best to apply and adapt them to your circumstances, so you can retrieve, process and deliver all the data you need, precisely as you need it.

Visit our website to view our Application Guide resources - or call us, and we can discuss your requirements, and advise about a range of innovative solutions, that will deliver improved efficiency, real cost savings ... and total peace of mind.

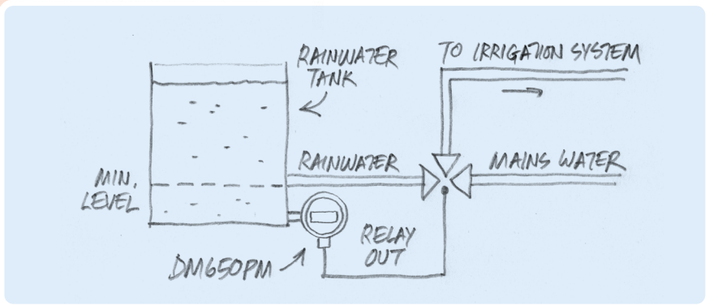
Here are some examples of how our Application Guide can help and inform.



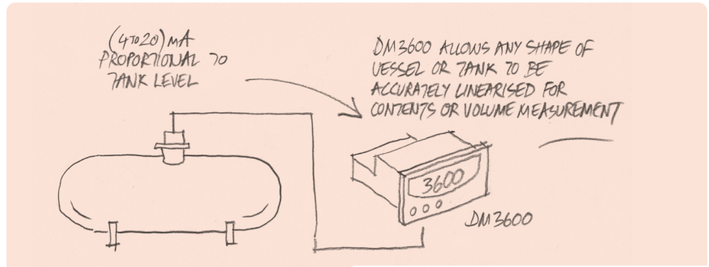
The weight of a tank mounted on 4 loadcells is measured by an SEM1600B, which takes their average output (equivalent to tank weight) and converts this into a voltage or (4 to 20) mA signal – in this example, for the DM3420 to measure as volume.



Our in-head transmitter range can accept RTD and thermocouple sensors as well as Ohmic, mV and potentiometer sensors. A sensor calibration function is provided to help minimise sensor error.

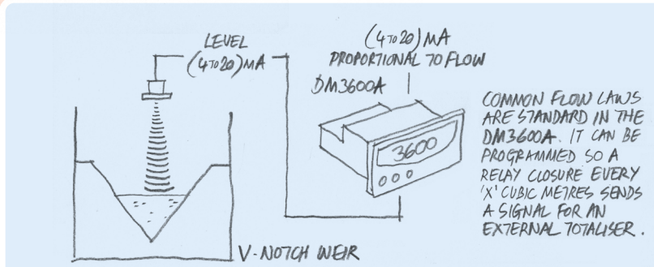


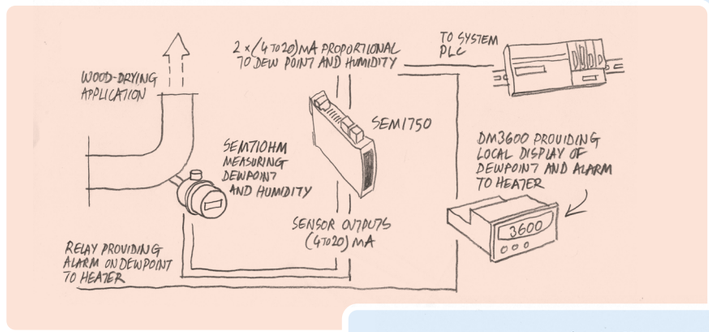
A DM650PM is measuring the water level in the tank via pressure. When the level is above the minimum then the rainwater is sent to the irrigation system.



Continuous level measurement in process vessels can call for high-accuracy linearisation. The DM3600 can interface with any level transmitter output and linearise any vessel shape, with up to 60 co-ordinate pairs.

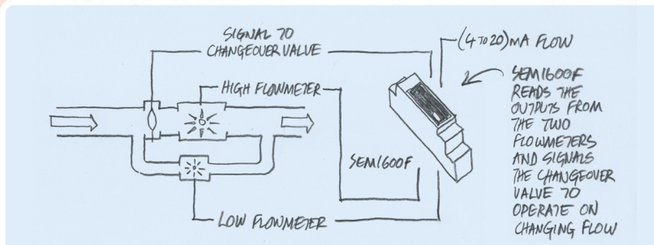
The DM3600A can be used with almost any level sensor to measure 'head' upstream of a flume or weir. Standard software allows power 3/2 and 5/2 flow linearisation, giving a (4 to 20) mA output proportional to flow.

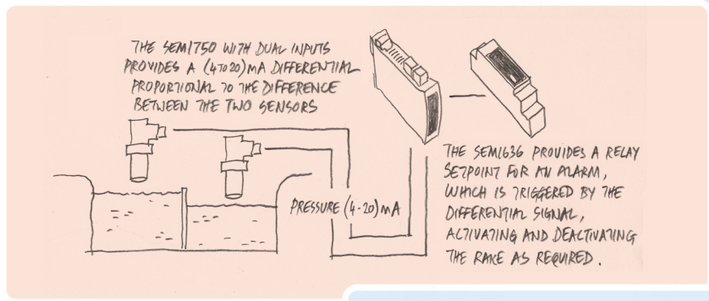




An SEM1750 powers the SEM710HM, and sends two loops to the panel meter and PLC for further control. The panel meter has its relay output programmed to alarm if the dewpoint reaches a critical level.

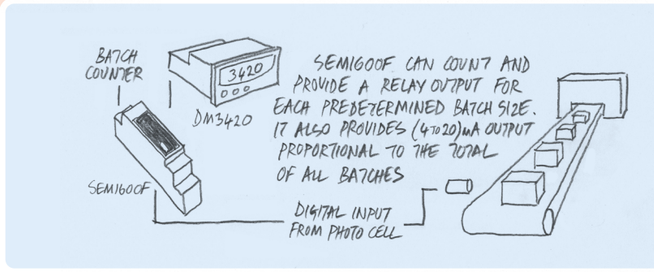
Accurate measurement of flow over a wide flow range can be problematic, as the turndown of the flowmeter could provide inaccurate measurement at extremes of span.





The SEM1750 can be used with almost any sensor to measure differential. In this common application in rivers and waterways, two level sensors measure level up- and down-stream of a weed screen.

An SEM1600F counting items on a belt. The product can be programmed to count each item that passes the digital sensor. When a number of readings equal to a batch size has gone through, a relay can switch.



Legacy Products

These Status products, and those listed opposite, are no longer available.

So here's how to replace them...



Because the Status product range is constantly evolving and growing, you might find that if you try to re-order a trusted and long-serving product, it may no longer be available in its original form.

So we thought it would be helpful to list here all discontinued products, and show you which of our current models would replace them. Then you can be sure to get the right state-of-the-art Status product, to serve you for many more years to come.

We also still have available to special order a number of older products, which are not included in the main body of this Product Guide.

As always, if you need more specific help or advice, please call us and we'll be happy to assist you.

In fact, we're happy to look at user requirements on a case-by-case basis, and will build unique products to special order (subject to MOQ).

Discontinued product	Description	Replacement
DM3430	High-voltage/current true RMS panel meter	
DM4000U	Panel meter	DM3600U
DM4000A	Panel meter	DM3600A
DM4000C	Panel meter	
DM440	Digital temperature indicator	DM650TM
DM4500	Panel meter series	
DM500	Loop-powered LCD indicator	DM700
DM540X	ATEX field-mounted display	DM640X
DM650VI	Voltage process indicator with relay	
DM660	Large Pt100 digital indicator	DM670TM
HTR200/1V	MA head-mounted RTD, potentiometer, resistance transmitter with voltage output	
MEDACS 2100 Series	Universal input single-channel signal conditioner	SEM1700 - most functions
MEDACS 2200 Series	Universal input dual-channel signal conditioner	SEM1720 / SEM1750 most functions
MEDACS 2300 Series	Frequency input single-channel signal conditioner	SEM1600/F most functions
MEDACS 2400 Series	Frequency input dual-channel signal conditioner	SEM1600/F most functions
PTX24	Process pressure transmitter	PTX19
SEM108P	In-head temperature transmitter	SEM206P
SEM110X	Analogue ATEX in-head transmitter	*call us*
SEM1100	Powered isolating voltage to current / current to voltage convertor	SEM1700
SEM1010	Provides isolated power for a transmitter derived from a powered loop.	SEM1700 (some functions)
SEM1401 / 1402	Loop-powered trip amplifier	SEM1636
SEM1500/TC	Thermocouple DIN rail temperature transmitter	SEM1605/TC
SEM1503P	Pt100 DIN rail temperature transmitter	SEM1605/P
SEM1504/P	4-wire Pt100 DIN rail temperature transmitter	SEM1615
SEM161 / 162	Humidity and temperature transmitter	SEM710HM
SEM1603	Rail-mounted temperature transmitter for Pt100 or thermocouple sensors	SEM1605P/TC
SEM1610	Universal temperature transmitter, DIN rail mount	SEM1615
SEM164	Humidity and temperature transmitter	SEM160, SEM161 or SEM162
SEM165HP	High-temperature humidity and temperature transmitter	*No direct replacement for higher temperature version*
SEM167H1C	Wall-mounted humidity transmitter with power supply and output options	SEM162
SEM167H1P	Duct-mounted humidity transmitter with power supply and output options	SEM162
SEM167H1R	Remote mount humidity transmitter with power supply and output options	SEM162
SEM205X	ATEX temperature transmitter	TTR200X
SEM210 MKI	Universal in-head temperature transmitter	SEM210 MKII
SEM213P	Manual push-button Pt100 4-20mA DIN rail temperature transmitter	SEM1605/P
SEM213TC	Manual push-button thermocouple 4-20mA DIN rail temperature transmitter	SEM1605/TC
SEM215	PC-programmable universal 4-20mA DIN rail temperature transmitter with user linearisation feature	SEM1615
SEM230X	ATEX DIN-rail universal transmitter	*call us*
SEM310 MKI	Universal HART in-head temperature transmitter	SEM310 MKII
SEM315 MKI	DIN rail Universal HART temperature transmitter	SEM315 MKII