



PRODUCT GUIDE

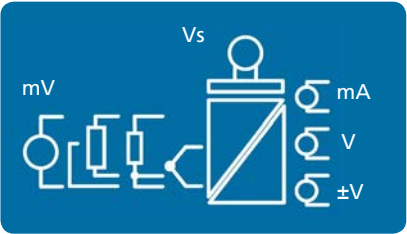
[www.status.co.uk](http://www.status.co.uk)

Signal conditioning



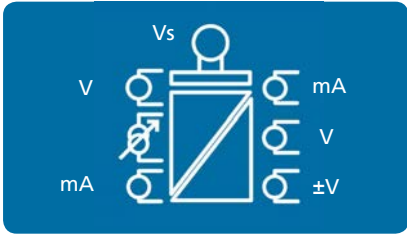
SEM 1600T

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



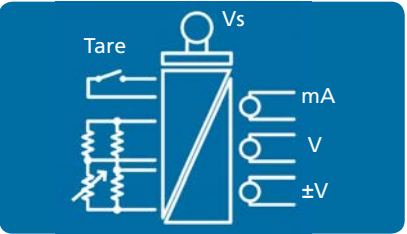
SEM 1600VI

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



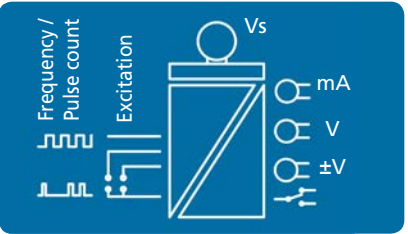
SEM 1600B

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	10 Ω 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
OUTPUT	Pulse counter	N/A	N/A	N/A	Yes
	Load cell	N/A	N/A	Yes - 4-wire	N/A
	See datasheet for full details and specific output combinations	mA - active / passive	mA - active / passive	mA - active / passive	mA - active / passive
GENERAL		Voltage	Voltage	Voltage	Voltage
		Bi-polar voltage	Bi-polar voltage	Bi-polar voltage	Bi-polar voltage
					Pulse (closed contact relay)
	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	N/A
	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

Signal conditioning



SEM 1620

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



SEM 1630

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



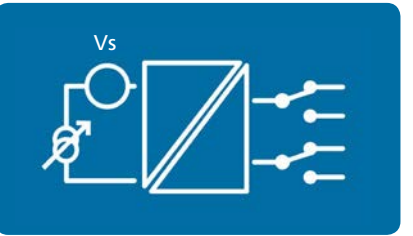
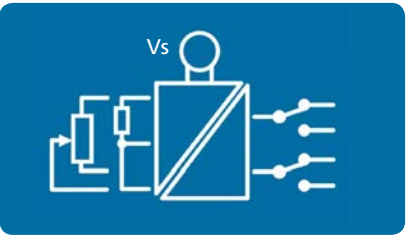
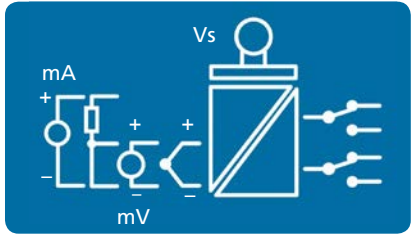
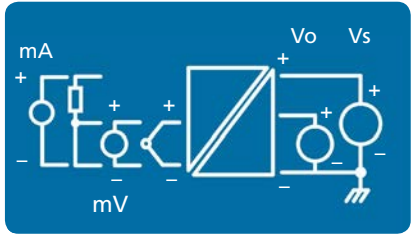
SEM 1633

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	N/A	N/A
	Resistance	N/A	N/A	(10 to 10,500) Ω	N/A
	Potentiometer	N/A	N/A	10 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
OUTPUT	Pulse counter	N/A	N/A	N/A	N/A
	Load cell	N/A	N/A	N/A	N/A
GENERAL	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				
	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