Welcome
to the latest Status Instruments Product Guide

Here at Status we’ve been designing, manufacturing and supplying top-quality process instrumentation for over 35 years - and in that time, we have acquired a following of loyal customers, who return to us year after year, and have come to appreciate our ongoing promise – that what goes into our products is inspiration, dedication and application – and what comes out is performance, reliability and value.

Quality counts
Quality has always been a priority for us at every level, and we operate a quality system approved to BS EN ISO9001.
Our products also comply with the following accreditations:

Where you’ll find us working

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Telephone  (800) 700-3272
Website  www.statinst.com
Sales and technical support  sales@statinst.com

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.

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# Signal conditioning

## SEM 1600T

- RTD, thermocouple, potentiometer, resistance or mV input
- Active / passive mA or voltage output

### INPUT

- **P100**
- RTD other types
- Resistance
- Potentiometer
- Thermocouple
- Voltage
- Current
- Frequency
- Pulse counter
- Load cell

### OUTPUT

- mA - active / passive
- Voltage
- Bi-polar voltage

### GENERAL

- Isolation
- Output zero/span alignment to input
- User offset
- User linearisation
- Remote reset
- Ambient operating
- Power supply
- Loop power supply
- Sensor excitation
- Configuration
- Totalise
- Maths functions
- Width

## SEM 1600VI

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

### INPUT

- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- (-50 to +50) VDC
- (-50 to +50) mA (active / passive)
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- 0.01 Hz to 65 kHz
- Yes

### OUTPUT

- mA - active / passive
- Voltage
- Bi-polar voltage

### GENERAL

- Isolation
- Output zero/span alignment to input
- User offset
- User linearisation
- Remote reset
- Ambient operating
- Power supply
- Loop power supply
- Sensor excitation
- Configuration
- Totalise
- Maths functions
- Width

## SEM 1600B

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

### INPUT

- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- 0.01 Hz to 65 kHz
- Yes

### OUTPUT

- mA - active / passive
- Voltage
- Bi-polar voltage

### GENERAL

- Isolation
- Output zero/span alignment to input
- User offset
- User linearisation
- Remote reset
- Ambient operating
- Power supply
- Loop power supply
- Sensor excitation
- Configuration
- Totalise
- Maths functions
- Width

## SEM 1600F

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

### INPUT

- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- 0.01 Hz to 65 kHz
- Yes

### OUTPUT

- mA - active / passive
- Voltage
- Bi-polar voltage
- Pulse (closed contact relay)
## Signal Conditioning

### SEM 1620
- RTD, thermocouple, passive mA, mV input, 3-wire voltage output.
- Voltage: 3 wire
- Output: 2 x (250 VAC @ 1A) C/O relay
- Isolation: Yes
- Power supply: 24 VDC
- Loop power supply: N/A
- Sensor excitation: N/A
- Configuration: PC
- Totalise: N/A
- Maths functions: N/A
- Width: 17.5 mm

### SEM 1630
- RTD, thermocouple, passive mA, mV input, 2 change over relay outputs.
- Voltage: 3 wire
- Output: 2 x (250 VAC @ 1A) C/O relay
- Isolation: Yes
- Power supply: N/A
- Loop power supply: N/A
- Sensor excitation: N/A
- Configuration: PC
- Totalise: N/A
- Maths functions: N/A
- Width: 17.5 mm

### SEM 1633
- RTD, potentiometer, resistance input with 2 change over relay outputs.
- Voltage: 3 wire
- Output: 2 x (250 VAC @ 1A) C/O relay
- Isolation: Yes
- Power supply: N/A
- Loop power supply: N/A
- Sensor excitation: N/A
- Configuration: PC
- Totalise: N/A
- Maths functions: N/A
- Width: 17.5 mm

### SEM 1636
- Loop-powered input, with 2 change over relay outputs.
- Voltage: 3 wire
- Output: 2 x (250 VAC @ 1A) C/O relay
- Isolation: Yes
- Power supply: N/A
- Loop power supply: N/A
- Sensor excitation: N/A
- Configuration: PC
- Totalise: N/A
- Maths functions: N/A
- Width: 17.5 mm
# Signal conditioning

## TYPE

<table>
<thead>
<tr>
<th>Type</th>
<th>Single channel</th>
<th>Dual channel</th>
<th>Dual channel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt100</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
</tr>
<tr>
<td>RTD other types</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Resistance</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Potentiometer</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Thermocouple</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Voltage</td>
<td>±50 mV, ±200 mV, ±1 V, ±10 V</td>
<td>±50 mVDC</td>
<td>±50 mA (active / passive)</td>
</tr>
<tr>
<td>Current</td>
<td>±30 mA (active or passive)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Frequency</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Pulse Counter</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Load Cell</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## INPUT

- See datasheet for full details and specific output combinations

## OUTPUT

- mA - active / passive
- Voltage
- 2 x (250 VAC @ 1A) CO Relay

## GENERAL

- Isolation
- Output zero/span alignment to input
- User offset
- User linearisation
- Remote reset
- Ambient operating
- Power supply
- Loop power supply
- Sensor excitation
- Configuration
- Totalise
- Maths functions
- Width

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

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

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

### SEM 1000
- **Type**: (4 to 20) mA current loop isolator.
- **Description**: Provides isolated power for a transmitter derived from a powered loop.

### SEM 1010
- **Type**: 2-wire (4 to 20) mA transmitter.

### SEM 1015
- **Type**: DC voltage.
- **Description**: Converts DC voltage to an isolated (4 to 20) mA signal.

### SEM 1020
- **Type**: Isolating current loop booster.

### SEM 1200
- **Type**: Isolating current loop splitter.

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Input loop</th>
<th>Output loop</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4 to 20) mA passive</td>
<td></td>
<td></td>
<td>An arbitrary description</td>
</tr>
<tr>
<td>(4 to 20) mA active</td>
<td></td>
<td></td>
<td>An arbitrary description</td>
</tr>
</tbody>
</table>

### General Specifications

<table>
<thead>
<tr>
<th>General Specifications</th>
<th>Input 5 VDC typical</th>
<th>Output 5 VDC typical</th>
<th>Input and Outputs 3 VDC</th>
<th>Input and Outputs 2 VDC</th>
<th>Input and Outputs 1 VDC</th>
<th>Input and Outputs 0.5 VDC</th>
<th>Input and Outputs 0.1 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volt drop</td>
<td>5 VDC</td>
<td>5 VDC</td>
<td>3 VDC</td>
<td>3 VDC</td>
<td>3 VDC</td>
<td>3 VDC</td>
<td>1 VDC</td>
</tr>
<tr>
<td>Maximum loop supply</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
</tr>
<tr>
<td>Isolation</td>
<td>0 VDC</td>
<td>0 VDC</td>
<td>0 VDC</td>
<td>0 VDC</td>
<td>0 VDC</td>
<td>0 VDC</td>
<td>0 VDC</td>
</tr>
<tr>
<td>Maximum load</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
<td>35 VDC</td>
</tr>
<tr>
<td>Power supply</td>
<td>420 VDC</td>
<td>420 VDC</td>
<td>420 VDC</td>
<td>420 VDC</td>
<td>420 VDC</td>
<td>420 VDC</td>
<td>420 VDC</td>
</tr>
<tr>
<td>Ambient operating temperature</td>
<td>(0 to +70) °C</td>
<td>(0 to +70) °C</td>
<td>(0 to +70) °C</td>
<td>(0 to +70) °C</td>
<td>(0 to +70) °C</td>
<td>(0 to +70) °C</td>
<td>(0 to +70) °C</td>
</tr>
<tr>
<td>Width</td>
<td>12.5 mm</td>
<td>21 mm</td>
<td>12.5 mm</td>
<td>12.5 mm</td>
<td>12.5 mm</td>
<td>12.5 mm</td>
<td>12.5 mm</td>
</tr>
</tbody>
</table>
### Rail-mounted transmitters

#### SEM 1605P
- Pt100 transmitter; PC configuration.

#### SEM 1605TC
- Thermocouple transmitter; PC configuration.

#### SEM 1615
- RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.

#### SEM 315 MKII
- HART 3, 6, 7 compatible RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration; IS-approved.

#### SEM 1801/2RX
- RTD, potentiometer, resistance transmitter; PC configuration; IS-approved.

#### SEM 1801/2TCX
- Thermocouple transmitter; PC configuration; IS-approved.

### Specifications

<table>
<thead>
<tr>
<th><strong>TYPE</strong></th>
<th><strong>INPUT</strong></th>
<th><strong>OUTPUT</strong></th>
<th><strong>GENERAL</strong></th>
<th><strong>APPROVALS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pt100</td>
<td></td>
<td>Isolation</td>
<td>ATEX</td>
</tr>
<tr>
<td></td>
<td>Other RTD sensors</td>
<td></td>
<td>Custom linearisation</td>
<td>IEC Ex</td>
</tr>
<tr>
<td></td>
<td>Resistance</td>
<td></td>
<td>Output zero/span alignment to input</td>
<td>EMC</td>
</tr>
<tr>
<td></td>
<td>Potentiometer</td>
<td></td>
<td>User offset</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thermocouple type</td>
<td></td>
<td>Ambient operating</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Voltage</td>
<td></td>
<td>Power supply</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Current</td>
<td></td>
<td>Configuration</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Width</td>
<td>EN BS 61326</td>
</tr>
<tr>
<td></td>
<td>Yes - 2, 3 wire</td>
<td></td>
<td>(4 to 20) mA</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td></td>
<td>(4 to 20) mA</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td></td>
<td>(4 to 20) mA</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td></td>
<td>(4 to 20) mA HART</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td></td>
<td>(4 to 20) mA</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td></td>
<td>(4 to 20) mA</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Notes:**
- N/A indicates not applicable.
- The table assumes standard configurations and may vary depending on specific models.
- Additional details such as temperature ranges and rangeability are not shown in this summary.
## In-head transmitters

<table>
<thead>
<tr>
<th>Type</th>
<th>SEM 203P</th>
<th>SEM 203TC</th>
<th>SEM 203W</th>
<th>SEM 206P</th>
<th>SEM 206TC</th>
<th>SEM 206TH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt100</td>
<td>Yes - 2, 3 wire</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes - 2, 3 wire</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Other RTD sensors</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Resistance</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Potentiometer</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Thermocouple type</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Voltage</td>
<td>(4 to 20) mA</td>
<td>(4 to 20) mA</td>
<td>(4 to 20) mA</td>
<td>(4 to 20) mA</td>
<td>(4 to 20) mA</td>
<td>(4 to 20) mA</td>
</tr>
<tr>
<td>Current</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Thermistor</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Input
- **Isolation**: N/A
- **Custom linearisation**: N/A
- **Output zero/span alignment to input**: N/A
- **User offset**: N/A
- **Display**: N/A
- **Ambient operating**: (-40 to +85) °C
- **Power supply**: (10 to 30) VDC
- **Configuration**: Push-button
- **Width / diameter**: 43 mm dia.

### General
- **ATEX**: N/A
- **IEC Ex**: N/A
- **Marine DNV standard**: Yes
- **EMC**: EN 501326

### Approvals
- **EMC**: EN 501326
- **ATEX**: N/A
- **IEC Ex**: N/A
- **Marine DNV standard**: Yes
- **EMC**: EN 501326
## In-head transmitters

<table>
<thead>
<tr>
<th>TYPE</th>
<th>TTR 200</th>
<th>TTC 200X</th>
<th>SEM 210 MKII</th>
<th>SEM 310 MKII</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTD, potentiometer, resistance transmitter; PC configuration. IS-approved version: TTR200X.</td>
<td>Thermocouple, mV transmitter; PC configuration. IS-approved version: TTC200X.</td>
<td>RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration. IS-approved version: SEM210X.</td>
<td>HART 5, 6, 7 compatible RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration. IS-approved version: SEM310X.</td>
<td></td>
</tr>
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</table>

### INPUT

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>PT100</th>
<th>Other RTD sensors</th>
<th>Resistance</th>
<th>Potentiometer</th>
<th>Thermocouple type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes - 2, 3 wire</td>
<td>Yes - 2, 3 wire</td>
<td>(10 to 10,000) Ω</td>
<td>N/A</td>
<td>N/A</td>
<td>K, J, N, E, T, R, S, L, U, B, X, D, G, custom</td>
</tr>
<tr>
<td>Yes - 2, 3 wire</td>
<td>Yes - 2, 3 wire</td>
<td>(10 to 10,000) Ω</td>
<td>N/A</td>
<td>N/A</td>
<td>K, J, N, E, T, R, S, L, U, B, X, D, G, custom</td>
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</tbody>
</table>

### OUTPUT

<table>
<thead>
<tr>
<th>Output Type</th>
<th>Isolation</th>
<th>Custom linearisation</th>
<th>Output zero/span alignment to input</th>
<th>User offset</th>
<th>Display</th>
<th>Ambient operating</th>
<th>Power supply</th>
<th>Configuration</th>
<th>Width / diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>(4 to 20) mA</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>(-40 to +85) °C</td>
<td>(10 to 30) VDC</td>
<td>PCB</td>
<td>43 mm dia.</td>
<td></td>
</tr>
<tr>
<td>(4 to 20) mA</td>
<td>Yes</td>
<td>Yes - mV</td>
<td>Yes</td>
<td>Yes</td>
<td>(-40 to +85) °C</td>
<td>(10 to 30) VDC</td>
<td>PCB</td>
<td>43 mm dia.</td>
<td></td>
</tr>
<tr>
<td>(4 to 20) mA</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>(-40 to +85) °C</td>
<td>(10 to 30) VDC</td>
<td>PC</td>
<td>44 mm dia.</td>
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### GENERAL

<table>
<thead>
<tr>
<th>Feature</th>
<th>ATEX</th>
<th>IEC Ex</th>
<th>Marine DNV standard</th>
<th>EMC</th>
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<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>EN BS 61326</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>EN BS 61326</td>
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</table>

### APPROVALS

<table>
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<tr>
<th>Approval</th>
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<th>Marine DNV standard</th>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>EN BS 61326</td>
<td></td>
</tr>
</tbody>
</table>
# Temperature Transmitters

## Other Packages

<table>
<thead>
<tr>
<th>Type</th>
<th>SEM 710</th>
<th>HTR 200/1</th>
<th>HTR 200/1V</th>
<th>SEM 106P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>Head-mounted RTD, thermocouple transmitter with integrated LED display. PC configuration.</td>
<td>MA head-mounted RTD, potentiometer, resistance transmitter.</td>
<td>MA head-mounted RTD, potentiometer, resistance transmitter with voltage output.</td>
<td>OEM transmitter - build into your own device.</td>
</tr>
<tr>
<td><strong>TYPE</strong></td>
<td>In-head (SCH4 or SCH15)</td>
<td>In-head</td>
<td>In-head</td>
<td>In-head</td>
</tr>
<tr>
<td><strong>PT100</strong></td>
<td>Yes - 2, 3 wire</td>
<td>Yes - 2, 3 wire</td>
<td>Yes - 2, 3 wire</td>
<td>Yes - 2, 3 wire</td>
</tr>
<tr>
<td><strong>Other RTD sensors</strong></td>
<td>N/A</td>
<td>(10 to 10,000) Ω</td>
<td>(10 to 10,000) Ω</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Resistance</strong></td>
<td>N/A</td>
<td>1 kΩ to 10 kΩ auto sense</td>
<td>1 kΩ to 100 kΩ auto sense</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Potentiometer</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Thermocouple type</strong></td>
<td>K, J, N, E, T, R, S</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>(-1000 to +1000) mV</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Thermistor</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>(4 to 20) mA</td>
<td>(4 to 20) mA</td>
<td>3-wire programmable voltage output</td>
<td>(4 to 20) mA</td>
</tr>
<tr>
<td><strong>GENERAL</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Isolation</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Custom linearisation</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Output zero/span alignment to input</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>User offset</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>4-digit LED (9mm)</td>
<td>Yes - resistance / potentiometer</td>
<td>Yes - resistance / potentiometer</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Ambient operating</strong></td>
<td>(-20 to +70) °C</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>(15 to 30) VDC</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td>PC / push-button trim</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(see data sheet)</td>
<td>(see data sheet)</td>
<td>(see data sheet)</td>
<td>30 x 15 mm</td>
</tr>
<tr>
<td><strong>Approvals</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>ATEX</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>IECEx</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Marine DNV standard</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>EN 501326</td>
</tr>
<tr>
<td><strong>EMC</strong></td>
<td>EN 501326</td>
<td>N/A</td>
<td>N/A</td>
<td>EN 501326</td>
</tr>
</tbody>
</table>
## Field mounted displays

The DM650 series has either the sensor included, or supplied separately.

### DM 650TM
- LCD battery-powered Pt100 and thermocouple thermometer, with relay and datalogging.

### DM 650PM
- LCD battery-powered pressure and media temperature indicator with relay and datalogging.

### DM 650HM
- LCD battery-powered humidity and media temperature indicator, with relay and datalogging.

### DM 650LP
- 4 to 20 mA loop-powered LCD process indicator with relay and datalogging, and battery back-up.

### DM 650VI
- ±50 mA or ±50 V, battery-powered LCD process indicator.

### Mechanical

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor / surface mount</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes - sensor included, ( \frac{1}{4} ) BSP thread (adaptors available)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>PT100</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Thermocouple</td>
<td>K, J, T, R, S, E, L, N, U, B, C, D, G</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Pressure and media temperature</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Humidity and media temperature</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Current</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Voltage</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Linearity/offset</td>
<td>Offset</td>
<td>Both</td>
<td>Both</td>
<td>Both</td>
<td>Both</td>
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### Display

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-digit LCD 7.9 mm</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>6-digit LCD 4.6 mm</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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### Relay

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes - 1 relay</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Yes - 5000 points</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Yes - via datalogging</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</table>

### Contactless

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>N/A</td>
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<td>N/A</td>
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<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</table>

### Custom messaging

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

### Datalogging

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes - 5000 points</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Yes - via datalogging</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</table>

### Ambient operating

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>-30 to +70 °C</td>
<td>Battery 3.6 V lithium</td>
<td>N/A</td>
<td>Battery 3.6 V lithium</td>
<td>Battery 3.6 V lithium</td>
<td>±50 mA or ±50 V</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Power supply

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery 3.6 V lithium</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2 years typical</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Battery life

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 years typical</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
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### Environmental rating

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP67</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>USB and NFC (some functions)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Enclosure

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Configuration

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB and NFC (some functions)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
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</table>

### Approval

<table>
<thead>
<tr>
<th></th>
<th>DM 650TM</th>
<th>DM 650PM</th>
<th>DM 650HM</th>
<th>DM 650LP</th>
<th>DM 650VI</th>
</tr>
</thead>
<tbody>
<tr>
<td>No - see DM640X series, page 24</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>ATEX</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

---

**Notes:**
- DM 650 series is a series of field-mounted displays with various sensors and configurations.
- The series includes models for different applications, such as temperature, humidity, and process indicators.
- Each model offers features like relays, datalogging, and custom messaging.
- The series is suitable for industrial environments with its IP67 and NFC capabilities.
- Configurations include battery-powered options and external power supplies.
- The series is approved for ATEX zones, indicating its suitability for potentially explosive atmospheres.
## Mechanical

<table>
<thead>
<tr>
<th>Sensor / surface mount</th>
<th>PT100</th>
<th>Thermocouple</th>
<th>Pressure and media</th>
<th>Humidity and media</th>
<th>Current</th>
<th>Voltage</th>
<th>Linearisation/offset</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor / surface mount</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Offset</td>
</tr>
<tr>
<td>Sensor / surface mount</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## Sensor Input

### PT100

<table>
<thead>
<tr>
<th>K, J, T, R, S, E, L, N</th>
</tr>
</thead>
</table>

### Thermocouple

| K, J, T, R, S, E, L, N |

## Pressure and Media Temperature

### Standard

| N/A               |

## Humidity and Media Temperature

### Standard

| N/A               |

## Current

### Standard

| 4 to 20 mA loop (passive) |

## Voltage

### Standard

| N/A               |

## Linearisation/offset

### Standard

| Offset |

## Display

### 4-digit LCD 8.5 mm

| N/A               |

## Relay

### N/A

## Contactless

### N/A

## Custom Messaging

### N/A

## Data Logging

### N/A

## Max / min

### N/A

## Ambient Operating

### (-10 to +50) °C

## Power Supply

### Battery 3.6 V lithium

## Battery Life

### 2 years typical

## Enclosure

### SCH4

## Environmental Rating

### IP67

## Configuration

### Push-button

## Approvals

### ATEX

| Yes               |

## General

### (-10 to +50) °C

### Battery 3.6 V lithium

### 2 years typical

### SCH4

### Stainless steel 100mm diameter

### IP67

### Push-button

### USB

### N/A

### N/A

### Yes

### Yes

### Yes

### Yes

### Yes - 2 relays

### NFC system

### Yes

### Yes - 5000 points

### Yes, and relay condition

### Yes, and relay option

### (-30 to +70) °C

### Battery 3.6 V lithium

### 2 years typical

### Stainless steel 100mm diameter

### IP65

### N/A

### N/A

### USB

### N/A
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

Transmitters/Displays
Many will suit, these are just some examples

SEM 210X
In-head range - see page 14
DM 650TM
Battery-powered range - see page 20
DM 670TM
Battery-powered range - see page 22
DM 700X
Loop-powered range - see page 22
DM 710
Loop powered transmitter with display - see page 18

Heads

SCH4
ABS plastic
SCH11
Aluminium
SCH15
Stainless steel
SCH50
Stainless steel / Aluminium D5D and E5A
We are certified to supply E5A and D5D probe assemblies

Thermowells

STW Style 1
STW Style 2
STW Style 3
STW Style 4
STW Style 5
STW Style 6

Compression glands

Connection blocks

Typical probe specification diagram

Typical thermowell specification diagram

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.

(items shown not necessarily to scale)
### Panel meters

**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 3430**
- High-voltage / current true RMS 4-digit panel meter with output options.

#### Mechanical
- **Pt100**: Yes
- **Thermocouple**: Yes
- **Current**: Yes (passive)
- **Voltage**: N/A
- **Frequency / pulse**: N/A
- **Remote digital inputs**: N/A
- **User linearisation**: N/A

- **(48 x 24) mm panel mount**

- **(96 x 48) mm panel mount**

- **4-digit LED process display**

#### Input

**See datasheet for full details and specific output combinations**

#### Output

- **Isolation**: N/A
- **Display**: 4-digit LED 10 mm
- **Ambient operating temperature**: -10 to +60 °C
- **Power supply**: (4 to 20) mA loop
- **Loop power supply**: N/A
- **Sensor excitation**: N/A
- **Configuration**: N/A
- **Max / min display**: N/A
- **Comms**: N/A
- **TFML maths functions**: N/A

- **(2 x relay (250 VAC @ 5 A) POD)**
- **Current (active or passive)**: N/A
- **4-digit LED process display**: N/A

- **(2 x relay (250 VAC @ 5 A) POD)**
- **Current (active or passive)**: N/A
- **4-digit LED process display**: N/A

- **(2 x relay (250 VAC @ 5 A) POD)**
- **Current (active or passive)**: N/A
- **4-digit LED process display**: N/A

#### General

- **Isolation**: N/A
- **Display**: 4-digit LED 14.2 mm
- **Ambient operating temperature**: -30 to +60 °C
- **Power supply**: (20 to 35) VDC or (90 to 253) VAC
- **Output (option)**: N/A
- **Input, output (option)**: N/A
- **Push-button**: Yes
- **Push-button**: N/A
- **Push-button**: Yes
- **Push-button**: N/A

- **(20 to 35) VDC or (90 to 253) VAC**
- **Output (option)**: N/A
- **Input, output (option)**: N/A
- **Push-button**: Yes
- **Push-button**: N/A
- **Push-button**: Yes
- **Push-button**: N/A
## Humidity and temperature transmitters

### SEM 160 ID/H
- Cost-effective single-channel duct-mounted humidity Transmitter.
- **Temperature range:** (-30 to +100) °C
- **Humidity (RH):** (10 to 90) %
- **Accuracy:** ±0.5 °C, ±3% RH
- **Output channels:** 1 x (4 to 20) mA
  - **Output choices:** Programmable, Default, Dewpoint, Programmable
  - **Sensor length:** 120, 250 mm
  - **Configuration:** PC
  - **Power supply:** (10 to 30) VDC
  - **Ambient operating (electronics, not sensor):** No
  - **Encapsulated electronics:** No

### SEM 160 ID/HP
- Cost-effective dual-channel duct-mounted humidity / temperature Transmitter.
- **Temperature range:** (-30 to +100) °C
- **Humidity (RH):** (10 to 90) %
- **Accuracy:** ±0.5 °C, ±3% RH
- **Output channels:** 2 x (4 to 20) mA
  - **Output choices:** Programmable, Default, Dewpoint, Programmable
  - **Sensor length:** 120, 250 mm
  - **Configuration:** PC
  - **Power supply:** (10 to 30) VDC
  - **Ambient operating (electronics, not sensor):** No
  - **Encapsulated electronics:** No

### SEM 160 IW/H
- Cost-effective single-channel wall-mounted humidity transmitter.
- **Temperature range:** (-30 to +100) °C
- **Humidity (RH):** (10 to 90) %
- **Accuracy:** ±0.5 °C, ±3% RH
- **Output channels:** 1 x (4 to 20) mA
  - **Output choices:** Programmable, Default
  - **Sensor length:** 120 mm
  - **Configuration:** PC
  - **Power supply:** (10 to 30) VDC
  - **Ambient operating (electronics, not sensor):** No
  - **Encapsulated electronics:** No

### SEM 160 IW/HP
- Cost-effective dual-channel wall-mounted humidity / temperature transmitter.
- **Temperature range:** (-30 to +100) °C
- **Humidity (RH):** (10 to 90) %
- **Accuracy:** ±0.5 °C, ±3% RH
- **Output channels:** 2 x (4 to 20) mA
  - **Output choices:** Programmable, Default
  - **Sensor length:** 120 mm
  - **Configuration:** PC
  - **Power supply:** (10 to 30) VDC
  - **Ambient operating (electronics, not sensor):** No
  - **Encapsulated electronics:** No
# Humidity and temperature transmitters

**SEM 161 W/H**
- Single-channel wall-mounted humidity transmitter.

**SEM 161 D/H**
- Single-channel duct-mounted humidity transmitter.

**SEM 161 R/H**
- Single-channel remote mounted humidity transmitter.

---

### INPUT

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SEM 161 W/H</th>
<th>SEM 161 D/H</th>
<th>SEM 161 R/H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>(-30 to +100) °C</td>
<td>(-30 to +100) °C</td>
<td>(-30 to +100) °C</td>
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<tr>
<td>Humidity (RH)</td>
<td>[10 to 90] %</td>
<td>[10 to 90] %</td>
<td>[10 to 90] %</td>
</tr>
<tr>
<td>Temperature</td>
<td>±0.5 °C</td>
<td>±0.5 °C</td>
<td>±0.5 °C</td>
</tr>
<tr>
<td>Humidity (RH)</td>
<td>±2% RH</td>
<td>±2% RH</td>
<td>±2% RH</td>
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### ACCURACY

<table>
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<tr>
<th>Parameter</th>
<th>SEM 161 W/H</th>
<th>SEM 161 D/H</th>
<th>SEM 161 R/H</th>
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</thead>
<tbody>
<tr>
<td>Output channels</td>
<td>1 x (4 to 20) mA</td>
<td>1 x (4 to 20) mA</td>
<td>1 x (4 to 20) mA</td>
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<tr>
<td>Output choices:</td>
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<td>Humidity</td>
<td>Dewpoint</td>
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<td>Direct thermistor option</td>
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### GENERAL

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SEM 161 W/H</th>
<th>SEM 161 D/H</th>
<th>SEM 161 R/H</th>
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</thead>
<tbody>
<tr>
<td>Plug-in sensor</td>
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<td>N/A</td>
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<tr>
<td>Cable / sensor length</td>
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<td>2m or 5m</td>
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<tr>
<td>Display option</td>
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<td></td>
<td>Yes</td>
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<tr>
<td>Configuration</td>
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<td></td>
<td>PC</td>
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<td>Power supply</td>
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<td>[10 to 30] VDC *</td>
<td>[10 to 30] VDC *</td>
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<tr>
<td>Ambient operating (electronics, not sensor)</td>
<td>Yes</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Encapsulated electronics</td>
<td>Yes</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

---

* Supply voltage (15 to 30) VDC when display fitted.
Humidity and temperature transmitters

**SEM 162 W/HP**
- Dual-channel wall-mounted temperature / humidity transmitter.
- Temperature range: (-30 to +100) °C
- Relative humidity range: (10 to 90) %
- Temperature accuracy: ±0.5 °C
- Humidity accuracy: ±2% RH
- Output channels: 2 x (4 to 20) mA
- Output choices: Temperature - Default
  - Humidity - Default
  - Dewpoint - Programmable
  - ΔTd - difference between dewpoint temperature and temperature - Programmable
- Plug-in sensor: Yes
- Cable / sensor length: 120 mm
- Display option: Yes
- Configuration: PC
- Power supply: (10 to 30) VDC
- Ambient operating (electronics, not sensor) temperature: (-30 to +85) °C
- Encapsulated electronics: Yes

**SEM 162 D/HP**
- Dual-channel duct-mounted temperature / humidity transmitter.
- Temperature range: (-30 to +100) °C
- Relative humidity range: (10 to 90) %
- Temperature accuracy: ±0.5 °C
- Humidity accuracy: ±2% RH
- Output channels: 2 x (4 to 20) mA
- Output choices: Temperature - Default
  - Humidity - Default
  - Dewpoint - Programmable
  - ΔTd - difference between dewpoint temperature and temperature - Programmable
- Plug-in sensor: Yes
- Cable / sensor length: 120, 250, 500 mm
- Display option: Yes
- Configuration: PC
- Power supply: (10 to 30) VDC
- Ambient operating (electronics, not sensor) temperature: (-30 to +85) °C
- Encapsulated electronics: Yes

**SEM 162 R/HP**
- Dual-channel remote mount temperature / humidity transmitter.
- Temperature range: (-30 to +100) °C
- Relative humidity range: (10 to 90) %
- Temperature accuracy: ±0.5 °C
- Humidity accuracy: ±2% RH
- Output channels: 2 x (4 to 20) mA
- Output choices: Temperature - Default
  - Humidity - Default
  - Dewpoint - Programmable
  - ΔTd - difference between dewpoint temperature and temperature - Programmable
- Plug-in sensor: Yes
- Cable / sensor length: 2m or 5m
- Display option: Yes
- Configuration: PC
- Power supply: (10 to 30) VDC
- Ambient operating (electronics, not sensor) temperature: (-30 to +85) °C
- Encapsulated electronics: Yes

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

**Discontinued product** | **Description** | **Replacement**
--- | --- | ---
DM500 | Loop-powered LCD indicator | DM700
DM504X | ATEX field-mounted display | DM640X
DM4000U | Panel meter | DM3600U
DM4020A | Panel meter | DM36000A
DM4000C | Panel meter | DM4500F - most functions
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 | SEM1600F - most functions
MEDACS 2400 Series | Frequency input dual-channel signal conditioner | SEM1600F - most functions
PTX24 | Process pressure transmitter | PTX19
SEM108P | In-head temperature transmitter | SEM208P
SEM1100 | Powered isolating voltage to current / current to voltage converter | SEM1700
SEM1401 / 1402 | Loop-powered trip amplifier | SEM1636
SEM1500TC | Thermocouple DIN rail temperature transmitter | SEM1605/TC
SEM1503P | PT100 DIN rail temperature transmitter | SEM1605/P
SEM1504P | 4-wire PT100 DIN rail temperature transmitter | SEM1615
SEM1603 | Rail-mounted temperature transmitter for PT100 or thermocouple sensors | SEM1605/PT/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
SEM21S | PC-programmable universal 4-20mA DIN rail temperature transmitter with user linearity feature | SEM1615
SEM310 MKII | Universal HART in-head temperature transmitter | SEM310 MKII
SEM31S MKII | DIN rail Universal HART temperature transmitter | SEM31S MKII

**Older products still available**

SEM104P | Analogue Pt100 temperature transmitter | SEM104T
SEM104TC | Analogue thermocouple temperature transmitter | SEM110P | High-precision analogue Pt100 temperature transmitter | STA208P | Cost-effective temperature sensor with built-in transmitter
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.

CONTACT US to discuss your requirements further - www.statinst.com