

Humidity and temperature transmitters



SEM 160 ID/H
Cost-effective single-channel duct-mounted humidity Transmitter.



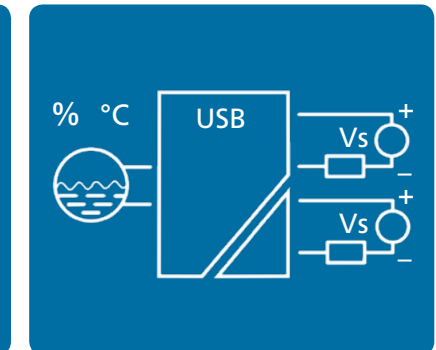
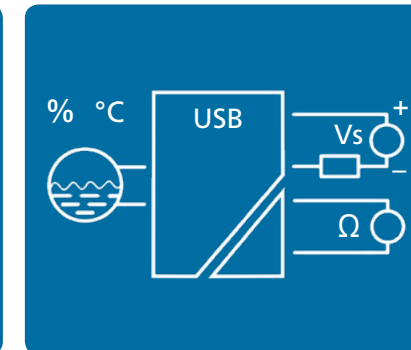
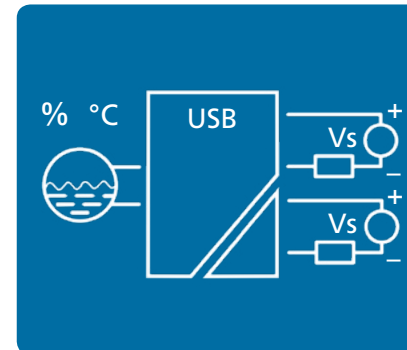
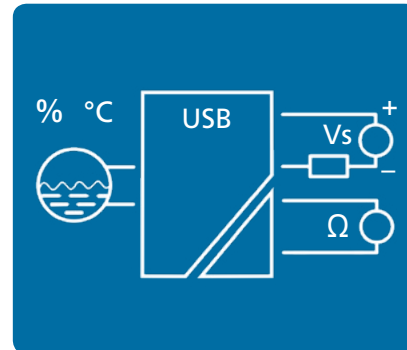
SEM 160 ID/HP
Cost-effective dual-channel duct-mounted humidity / temperature transmitter.



SEM 160 IW/H
Cost-effective single-channel wall-mounted humidity transmitter.



SEM 160 IW/HP
Cost-effective dual-channel wall-mounted humidity / temperature transmitter.



INPUT

Temperature range

(-30 to +100) °C

Humidity (RH)

(10 to 90) %

BASE ACCURACY

Temperature

±0.5 °C

Humidity (RH)

±3% RH

OUTPUT

Output channels

1 x (4 to 20) mA

Output choices: Temperature

Programmable

Humidity

Default

Dewpoint

Programmable

ΔTd - difference between dewpoint temperature and temperature

Programmable

Direct thermistor option

Yes

GENERAL

Sensor length

120, 250 mm

Configuration

PC

Power supply

(10 to 30) VDC

Ambient operating (electronics, not sensor)

(-20 to +70) °C

Encapsulated electronics

No

(-30 to +100) °C

(10 to 90) %

±0.5 °C

±3% RH

2 x (4 to 20) mA

Default

Default

Programmable

Programmable

No

120, 250 mm

PC

(10 to 30) VDC

(-20 to +70) °C

No

(-30 to +100) °C

(10 to 90) %

±0.5 °C

±3% RH

1 x (4 to 20) mA

Programmable

Default

Programmable

Programmable

Yes

120 mm

PC

(10 to 30) VDC

(-20 to +70) °C

No

(-30 to +100) °C

(10 to 90) %

±0.5 °C

±3% RH

2 x (4 to 20) mA

Default

Default

Programmable

Programmable

No

120 mm

PC

(10 to 30) VDC

(-20 to +70) °C

No

Humidity and temperature transmitters



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

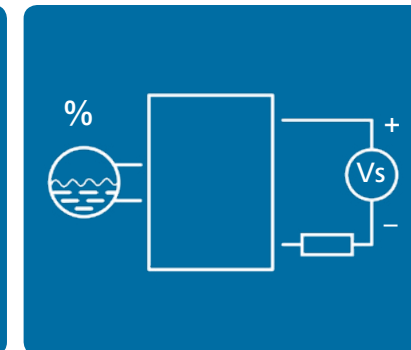
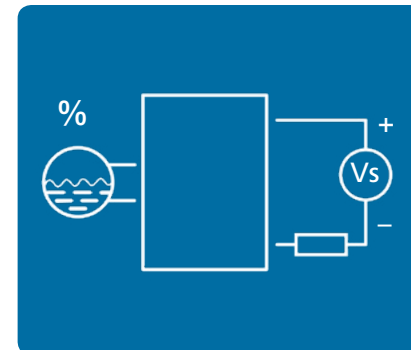
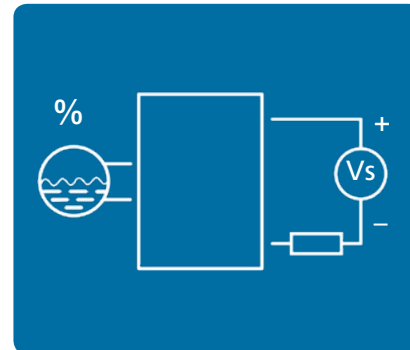


SEM 161 D/H
Single-channel duct-mounted humidity transmitter.



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

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



INPUT

Temperature range

(-30 to +100) °C

(-30 to +100) °C

(-30 to +100) °C

Humidity (RH)

(10 to 90) %

(10 to 90) %

(10 to 90) %

BASE ACCURACY

Temperature

±0.5 °C

±0.5 °C

±0.5 °C

Humidity (RH)

±2% RH

±2% RH

±2% RH

OUTPUT

Output channels

1 x (4 to 20) mA

1 x (4 to 20) mA

1 x (4 to 20) mA

Output choices: Temperature

Programmable

Default

Programmable

Humidity

Default

Default

Default

Dewpoint

Programmable

Programmable

Programmable

ΔTd - difference between dewpoint temperature and temperature

Programmable

Programmable

Programmable

Direct thermistor option

N/A

N/A

Yes

GENERAL

Plug-in sensor

Yes

N/A

N/A

Cable / sensor length

120 mm

120, 250, 500 mm

2m or 5m

Display option

Yes

Yes

Yes

Configuration

PC

PC

PC

Power supply

(10 to 30) VDC *

(10 to 30) VDC *

(10 to 30) VDC *

Ambient operating (electronics, not sensor)

(-30 to +85) °C

(-30 to +85) °C

(-30 to +85) °C

Encapsulated electronics

Yes

Yes

Yes

Humidity and temperature transmitters



SEM 162 W/HP
Dual-channel wall-mounted temperature / humidity transmitter.

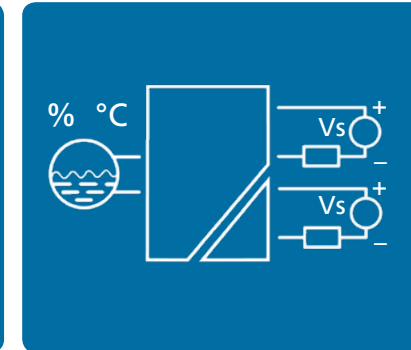
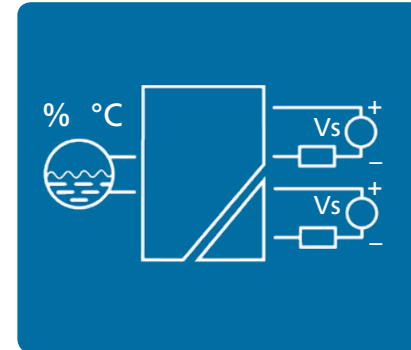
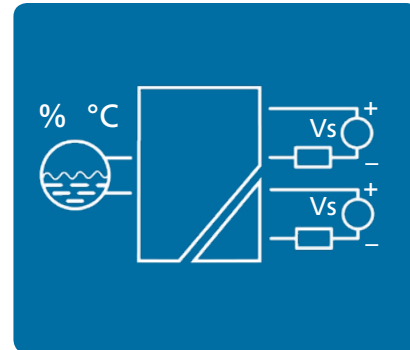


SEM 162 D/HP
Dual-channel duct-mounted temperature / humidity transmitter.



SEM 162 R/HP
Dual-channel remote mount temperature / humidity transmitter.

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



INPUT

Temperature range

(-30 to +100) °C

Humidity (RH)

(10 to 90) %

BASE ACCURACY

Temperature

±0.5 °C

Humidity (RH)

±2% RH

OUTPUT

Output channels

2 x (4 to 20) mA

Output choices: Temperature

Default

Humidity

Default

Dewpoint

Programmable

ΔTd - difference between dewpoint temperature and temperature

Programmable

Direct thermistor option

N/A

GENERAL

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)

(-30 to +85) °C

Encapsulated electronics

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(-30 to +100) °C

(10 to 90) %

±0.5 °C

±2% RH

2 x (4 to 20) mA

Default

Default

Programmable

Programmable

N/A

Yes

120, 250, 500 mm

Yes

PC

(10 to 30) VDC *

(-30 to +85) °C

Yes

(-30 to +100) °C

(10 to 90) %

±0.5 °C

±2% RH

2 x (4 to 20) mA

Default

Default

Programmable

Programmable

N/A

Yes

2m or 5m

Yes

PC

(10 to 30) VDC *

(-30 to +85) °C

Yes