



HIGH TEMPERATURE



Model: SEM165

- > HIGH TEMPERATURE APPLICATIONS
- > RH & TEMPERATURE INPUTS
- > 4-20 mA OUTPUT
- > 2% RH ACCURACY
- > FAST RESPONSE
- > DUCT MOUNTED
- > LOCAL AND/OR REMOTE DISPLAYS (OPTION)

INTRODUCTION

The new and high accuracy SEM165 Relative Humidity (RH) and Temperature Transmitter is equipped with stainless steel body probe and is capable of measuring and producing two 4-20 mA signals proportional to the relative humidity and temperature in environments with temperature ranging from -30 to 140°C.

Optionally, the SEM165 can be ordered with local and/or remote LCD displays. The local indicator will be mounted on the transmitter and the assembly complies with the requirements for IP-65 environmental protection. The remote indicator may also be ordered to indicate the second measured parameter.

Single hole mounting via a 1/2" pressure gland facilitate adjustment of insertion length and allows for simple installation into ducts, pipes and process chambers. The terminal head housing is made from impact resistant ABS.

SPECIFICATIONS

HUMIDITY

Working Temp. -30 to +140°C
Output 4-20 mA
Measuring Range 0-100% RH
Sensor Type Capacitive
Accuracy ±2%

TEMPERATURE

Output 4-20 mA
Adjusted Span 0-100°C standard
 Other options to order
Sensor Type Mo 1000
Accuracy ±1°C

ELECTRICAL

Power Supply 12 to 32 VDC
Max. Loop Load (V_{LOOP} - 12 V) / 0.02 A [Ω]
Connections Screw terminals
Cable Entry Compression cable gland

MECHANICAL

Body Material ABS
Probe Body Stainless steel
Process Connection 1/2" pressure gland
Probe Length 220 mm
Probe and Body 278 mm long

