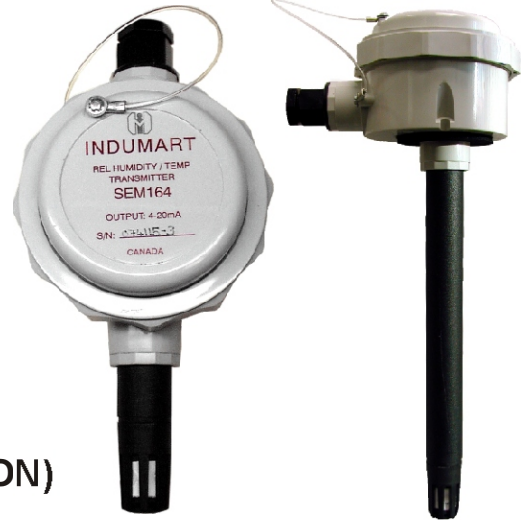




SERIES: SEM164

- > RH & TEMPERATURE INPUTS
- > 4-20 mA OUTPUT
- > FAST RESPONSE
- > DUCT OR WALL MOUNTED
- > COMPACT SIZE
- > IP-65 ASSEMBLY
- > LOCAL AND/OR REMOTE DISPLAYS (OPTION)



INTRODUCTION

The SEM164 Series Relative Humidity (RH) and Temperature Transmitters accurately measure relative humidity and temperature to provide two 4-20 mA outputs.

Depending upon your application, you can choose between the duct and the wall mounting models. Optionally, you may order the SEM164 Series with local and remote LCD displays.

The local indicator will be mounted on the transmitter and the assembly shall comply with the requirements for IP-65 environmental protection. The remote indicator may also be ordered to indicate the second measured parameter.

The terminal head housing is made from impact resistant ABS. The sensor tip is moulded in low moisture absorption polypropylene with removable PTFE membrane filter to shield the sensor from dust and grime.

SPECIFICATIONS

HUMIDITY

Output	4-20 mA
Measuring Range	0-100% RH
Sensor Type	Capacitive
Response Time	< 10 Sec. for 10 to 90% RH
Working Temp .	-25 to +80°C
Accuracy	±3% standard (±2% Option)
Hysteresis	<3% standard (±1% Option)
Linearity	±1.5% for 5% to 95% RH

TEMPERATURE

Output	4-20 mA
Adjusted Range	0 to 50°C (factory calibrated)
Sensor Type	Mo 1000 Thin Film
Accuracy	±0.3°C @ 0°C

ELECTRICAL

Power Supply	13 to 32 VDC
Max. Loop Load	(V _{Loop} - 12 V) / 0.02 A = [Ω] Ex. for V _{Loop} = 24 VDC; Max. Loop Load = 600 Ω

Connections	Screw Terminals
Working Range	-25 to +55°C
Cable Entry	Compression cable gland

MECHANICAL

Body Material	ABS
Sensor Mounting	Polypropylene
Filter Material	PTFE sub-micronic
Protection	IP-65
Wall Mount Sensor	Dia.: 20 mm; Length: 70 mm
Duct Mount Sensor	Dia.: 20 mm; Length: 200 mm

**FOR APPLICATIONS UP TO 140°C,
CHOOSE MODEL SEM165**

ORDER CODE

SEM164 / / **HP**

Wall Mount	W
Duct Mount	D

±3% RH Standard	3
±2% RH Standard	2

Please order the local and remote display options separately.

