Rugged, Weatherproof, Wall Mounted Temperature Sensor
Pt100 Class A Sensor in NEMA 4X (IP65) Enclosure

NEW®

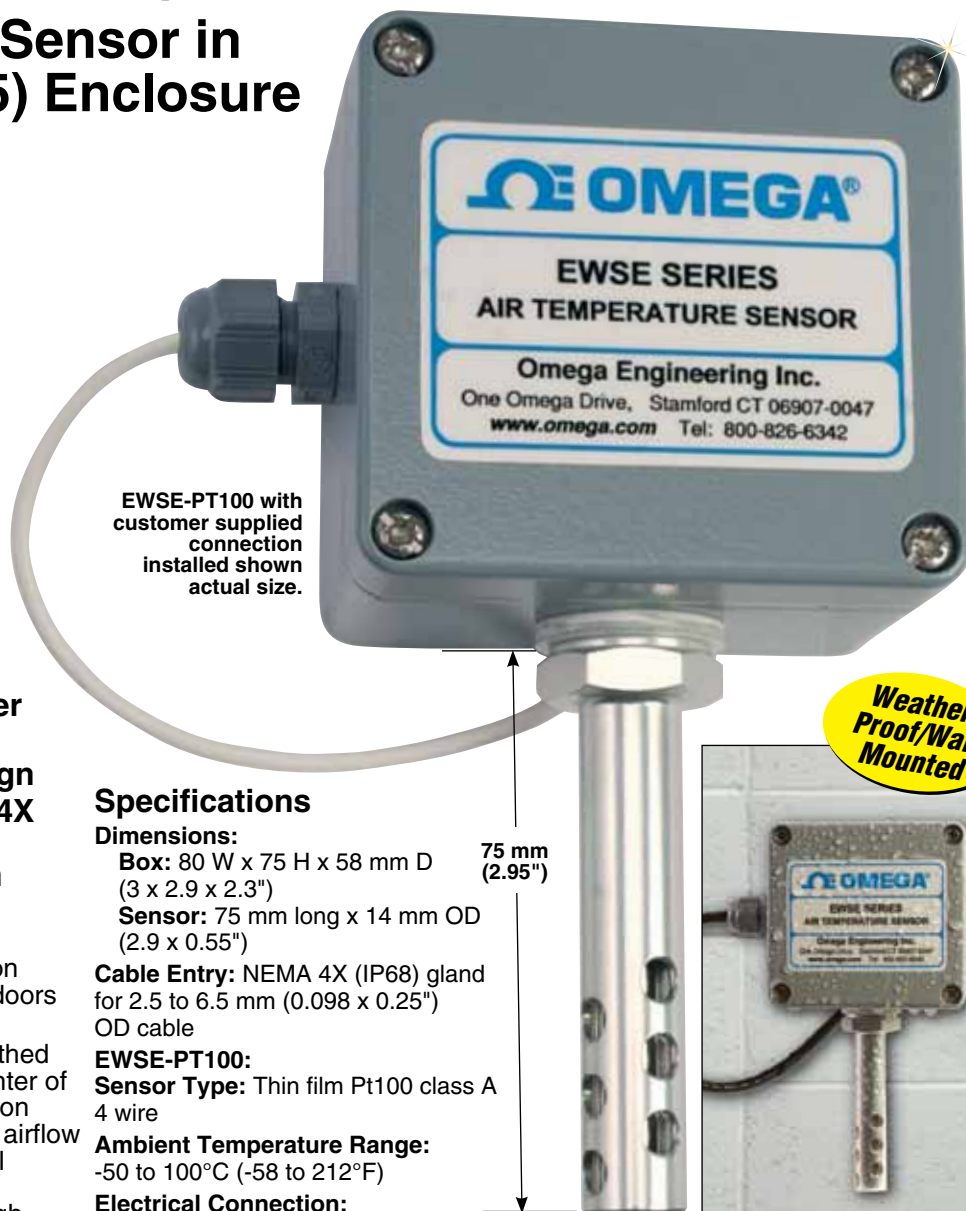**EWSE Series**

1 YEAR WARRANTY

ACCURACY IEC CLASS A (±0.15°C @ 0°C)

EWSE-PT100 with customer supplied connection installed shown actual size.

✔ **Designed for Indoor and Outdoor Use**
✔ **Screw Terminal Block for 4-Wire Pt100 Connection**
✔ **Optional Built in 4 to 20 mA Transmitter**
✔ **Rugged Sensor and Protection Tube Design**
✔ **Supplied with NEMA 4X (IP68) Cable Gland or Electrical Connection**

OMEGA's new air temperature sensors offer the perfect solution for temperature monitoring outdoors or in demanding environments.

A rugged 6 mm–diameter sheathed RTD probe is housed in the center of a 14 mm (0.551") outer protection tube which is drilled to improve airflow around the sensor. A 4-terminal connector block or 4 to 20 mA transmitter are housed in a tough aluminum alloy enclosure rated to NEMA 4X (IP65).

A cable gland is fitted on the left hand side of the enclosure, suitable for cables from 2.5 to 6.5 mm (0.098 to 0.25") diameter.

Specifications
Dimensions:
 Box: 80 W x 75 H x 58 mm D (3 x 2.9 x 2.3")
 Sensor: 75 mm long x 14 mm OD (2.9 x 0.55")

Cable Entry: NEMA 4X (IP68) gland for 2.5 to 6.5 mm (0.098 x 0.25") OD cable

EWSE-PT100:
Sensor Type: Thin film Pt100 class A 4 wire

Ambient Temperature Range: -50 to 100°C (-58 to 212°F)

Electrical Connection: Screw terminal block

EWSE-PT100-TX:
Ambient Temperature Range: -40 to 85°C (-40 to 185°F) at 10 to 90% RH non condensing

Standard Transmitter Scaling: 4 mA -25°C (-13°F), 20 mA at 75°C

75 mm (2.95")

Weather Proof/Wall Mounted

Electrical Connection: Screw terminals, 2-wire

Power Supply: 10 to 30 Vdc, loop powered

Maximum Output Load: [(V supply-10)/20] kΩ eg 700Ω @ 24V

To Order *Visit omega.com/ewse for Pricing and Details*

Model No.	Description
EWSE-PT100	External air temperature assembly, 4-wire RTD
EWSE-PT100-TX	External air temperature assembly with 2-wire 4 to 20 mA transmitter
TX-SCALED	Factory scaling charge for non-standard temperature range on 4 to 20mA output models
TX4-100	Multi-conductor hook-up wire, 30.5 m (100') spool

Other probe lengths available on request. Contact sales to discuss your specific requirements.
Ordering Example: EWSE-PT100, *air temperature sensor.*