

GREYSTONE
ACCURACY BY DESIGN



CONTINUOUS AVERAGING TEMPERATURE SENSORS/TRANSMITTERS



Precision temperature control/sensing

FEATURES:

- Closely matching profile of a Platinum RTD
- Optional enclosures available
- High accuracy temperature transmitters with optional output signal types, power supplies and temperature ranges
- 3/16" copper tubing
- Custom logos available

***Peace of mind
through reliable
temperature monitoring***

GREYSTONE IS AN **ISO 9000** REGISTERED COMPANY

CONTINUOUS AVERAGING

DESCRIPTION:

The TE Series continuous averaging temperature sensor averages stratified air in ducts with the use of a continuous element which closely matches the temperature profile of a platinum RTD.

A transmitter option is also available to be used with the 1000 ohm platinum sensor which provides either 4 -20mA, 0 – 5 VDC or 0 – 10 VDC output proportional to a selected temperature span. 100 ohm sensor is optional.

The transmitters provide high accuracy, long-term stability, low hysteresis, fast response and a wide operating temperature range.

Maximum Temperature range of probe –40°C to 100°C (-40°F – 212°F)

Every transmitter offers accuracy of 0.1% of span or better and are highly stable due to excellent RFI rejection and are also virtually immune to power supply noise and input voltage fluctuations.

Transmitter General Specifications:

Supply Voltage: 24 VDC/VAC
 Output: 4 – 20mA, 0–5 VDC or 0-10 VDC
 Accuracy: ±0.1% of span
 Operating temp: 0°C – 70°C (32°F – 158°F)

ENCLOSURES:

ABS

W – Weatherproof

M – Metal



PRODUCT ORDERING INFORMATION

MODEL	Product Description
TE200	Sensor assembly
TE500	Sensor assembly c/w transmitter (sensor type 12 is standard)
CODE	Style
DC	Duct average continuous (copper)
CODE	Enclosure (GES ABS enclosure is standard)
-	ABS enclosure, standard (no code required, leave blank)
M	Metal utility box
R	No box
W	Aluminum weatherproof box
CODE	Sensor
2	100 ohm which closely matches a Platinum, IEC 751, 385 Alpha, thin film
12	1000 ohm which closely matches a Platinum, IEC 751, 385 Alpha, thin film
CODE	Probe Length
H 3	3600 mm (12')
J 3	7300 mm (24')
CODE	TE500 Transmitter Output Option
1 A	4 – 20mA
1 D	0 – 5 VDC
1 E	0 – 10 VDC
CODE	TE500 Transmitter Range Option
1	0°C – 35°C (32°F – 95°F)
2	0°C – 50°C (32°F – 122°F)
3	0°C – 100°C (32°F – 212°F)
6	-50°C – +50°C (-58°F – 122°F)
TE200	DC - 12 H 3 - - Custom ranges available upon request.

Example: 1000 ohm, 12 foot, averaging sensor

Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

