

Models 244EH and 244ER PC Programmable Temperature Transmitters

Standard Configuration	page S-1
Alarm Levels	page S-1
Attaching the Head Mount Transmitter	page S-2
Model 244EC Configuration Software Upgrade	page S-2

STANDARD CONFIGURATION

Unless otherwise specified, the transmitter is shipped with the following configuration:

Sensor Type:	RTD, Pt 100, a = 0.00385
Number of Wires:	4
4 mA Value:	0 °C (32 °F)
20 mA Value:	100 °C (212 °F)
Damping:	5 seconds
Failure Mode:	High/Upscale
Output:	Linear with Temperature
Line Voltage Filter:	50 Hz
Software Tag:	Blank

ALARM LEVELS

⚠ WARNING

Death or serious injury could result if the alarm levels of the Model 244EH or 244ER transmitter are not compatible with the alarm monitoring and detection systems.

Before installing the Model 244EH or 244ER transmitter in a control loop, verify that the upscale (high) and downscale (low) alarm levels are compatible with the alarm monitoring and detection system

Note of the following alarm levels before installing the Models 244EH or 244ER.

Table S-1. Standard vs. NAMUR-compliant specifications

	Standard ⁽¹⁾	NAMUR- Compliant ⁽¹⁾
Linear Output:	3.9 ≤ ≤20.5	3.8 ≤ ≤20.5
Fail High:	21 ≤ ≤23 (default)	21 ≤ ≤23 (default)
Fail Low:	1 ≤ ≤3.75	1 ≤ ≤3.6

⁽¹⁾ Measured in milliamperes

Models 244EH and 244ER

ATTACHING THE HEAD MOUNT TRANSMITTER

Integral Mount Sensor

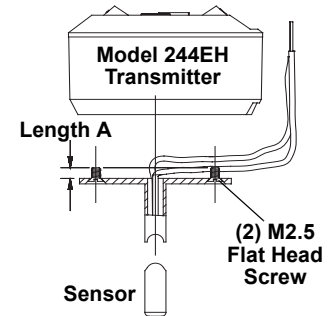
These sensors are available through the Temperature Sensors and Accessories (Volume 2) Product Data Sheet (document number 00813-0200-2654).

To attach the transmitter to a integral mount sensor, use $M2.5 \times 4.0$ mm-long flat head screws. Do not overtighten the screws.

Wall Panel or Other Integral Mount Sensor

To determine the correct screw length for attaching the transmitter to a wall panel or an integral mount sensor from a supplier other than Emerson Process Management, insert a 4.0 mm-long screw through the sensor plate and measure the distance that the screw extends from the plate surface (Length A in the diagram below).

If $A \geq 2.5$ mm, use 4.0-mm long flat head screws. If $A < 2.5$ mm, use 5.0 mm-long flat head screws. Do not overtighten the screws.



MODEL 244EC CONFIGURATION SOFTWARE UPGRADE

The Model 244EC Configuration Software is compatible with Microsoft® Windows® 95, 98, NT, and 2000.

The most recent version of the Model 244EC Configuration Software is v.04.00.000. Visit the following website to download the free software revision upgrade. The upgrade instructions are provided on the page that contains the upgrade files.

<http://www.rosemount.com/products/temperature/m244cfg.html>

Or, perform the following steps to download the free software revision upgrade:

1. Go to <http://www.rosemount.com>
2. Click on "Products."
3. Click on "Temperature."
4. Click on "Model 244EH and 244ER Programmable Temperature Transmitters."
5. Scroll to the bottom of the page and click "Upgrade to v.04.00.000," located under "Model 244EC Configuration Software Tool."

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