

# Model 1735A Six-Channel Thermocouple Temperature Transmitter and Clamp-on Collar Assembly



**How to order:** (Quick-ship range/option combinations available. See Web site.)  
Enter the product order code. For example:

**1735A**  
Order code

## Order codes

1735A Model 1730A six-channel thermocouple temperature transmitter and clamp-on collar assembly

The module support ring is an Aluminum housing that consists of two pieces forming a circle around the shaft. The housing adds about 2.5 in around the shaft. It is attached to the shaft in a proprietary bolt pattern. For 1705 systems.

## Specifications

### Environmental

Operating temperature range 0 °C to 85 °C [32 °F to 185 °F]

### Electrical

Sensor input 6 thermocouples, any type  
 Measurement range Full range of thermocouples  
 Measurement accuracy ±0.5 %  
 Induction input power 160 kHz RF  
 RF operating frequency 10.7 MHz

### Mechanical

Size of assembly ±2.5 in around shaft

Motor shaft diameter	Bolt on transmitter outside diameter	Stationary antenna loop diameter
4.701 in to 6.700 in	376,86 mm [10.90 in]	263,65 mm [10.38 in]
7.500 in to 9.500 in	347,98 mm [13.70 in]	334,77 mm [13.18 in]
10.000 in to 12.000 in	411,48 mm [16.20 in]	398,27 mm [15.68 in]

	Temperature range
B type T/C	90 °C to 1820 °C [194 °F to 3308 °F]
E type T/C	-90 °C to 660 °C [-139 °F to 1220 °F]
J type T/C	-100 °C to 760 °C [-148 °F to 1400 °F]
K type T/C	-150 °C to 1230 °C [-238 °F to 2246 °F]
R type T/C	0 °C to 1665 °C [32 °F to 3209 °F]
S type T/C	0 °C to 1665 °C [32 °F to 3209 °F]
T type T/C	-155 °C to 400 °C [-247 °F to 752 °F]

# Model 1736A Six-Channel Thermocouple Temperature Transmitter and Strap-on Collar Assembly



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Enter the product order code. For example:

**1736A**  
Order code

## Order codes

1736A Model 1730A six-channel thermocouple temperature transmitter and strap-on collar assembly

The module support ring is a metal band clamp (strap-on collar) and a counter balance assembly. The transmitter is enclosed in a NEMA 4 enclosure that is held by the band clamp. These are secured to the shaft by tightening t-bolt nuts to predefined torque levels. For 1706 systems.