

## AMC-DTR Series

### Non-Intrusive Digital Transmitter

The AMC-DTR Transmitter is a truly “state of the art” device. It is compatible with the entire range of AMC sensors, and can also support 4-20 mA transmitter inputs for remote sensor applications.

It features non-intrusive calibration for hazardous locations, with an easy-to-read LCD concentration of gas level or trends. The unique dual sensor configuration allows for two distinct sensor inputs and outputs, which can drastically reduce equipment costs and simplify installation.

The available Smart Sensor system allows for simplified maintenance and sparing, by uploading pre-programmed sensor information to the transmitter, and eliminating the need to make changes in the field.

#### SPECIFICATIONS

**Inputs:** Compatible with all AMC Sensor Types

**Outputs:** 4-20 mA per sensor  
Optional 5A Alarm Relays/Modbus RTU

**Enclosure:** Nema 7/Nema 4x  
Class 1, Div 1 & 2, Groups B, C, D

**Supply Voltage:** 10-30 VDC

**Optional Relay Contacts:** 3xSPDT 5A @ 250VAC Res.

**Operating Temperature:** -40°C to 60°C (-40°F - 140°F)

\*\* Operating temperature will be subject to the temperature rating of any attached sensor. Please refer to the sensor spec sheet to determine the rating for a given combination.

**Transmitter Warranty:** Two years

**Calibration Method:** Magnetic

**Alarm Thresholds:** Up to 3 (including Fail)

**Display:** Backlit 64 x 128px LCD  
LED Alarm Status  
30 min Bar Graph

#### ORDERING CODE

AMC-DTR-CAT	Standard Configuration
AMC-DTR-DS	For Dual Sensor Applications
AMC-DTR-IS	For Two Wire Applications



#### FEATURES

- Dual sensor capability allows one EC and one other type of sensor to be connected to the same transmitter, with distinct 4-20 mA outputs.
- Available Smart Sensor system for simplified maintenance and calibration.
- 30 Min Trending Capability
- Calibration performed with a magnetic pencil
- Programmable Instrument Tag

#### OPTIONS

AMC-DTR-10-0234 – Relay/Modbus Module  
AMC-DTR-10-0250 – Isolated 4-20mA Module  
AMC-DTR-10-ARCTIC – Thermostatic Heater  
AMC-DTR-10-1200 – Dual Sensor Flange



**AMC-DTR CONFIGURATIONS**

