

AMC-ITx Non-Intrusive Digital Transmitter

The AMC ITx transmitter brings the user-focused design our new detection platform to industrial Applications.

It features non-intrusive calibration for hazardous locations, with an easy-to-read LCD concentration of gas level or trends and integral relays standard. The sensor head features a unique sinter material that allows us to offer a broader range of gases in a certified explosion-proof enclosure.

SPECIFICATIONS

User Interface

Display: OLED Display (8 lines x 20 characters)
LEDs for Sensor, Operation, Fault

Inputs/Outputs

Inputs: Compatible with all AMC Sensor Types.
Outputs: Modbus RTU plus two 4-20mA or 0-10V Analog Outputs.

Default configuration is Analog Out 1 set to 4-20mA and Analog Out 2 set to 0-10V.

Supply Voltage: 12-26 VDC

Relay Contacts: 3x SPDT 1A @ 30VDC Res.

Mechanical

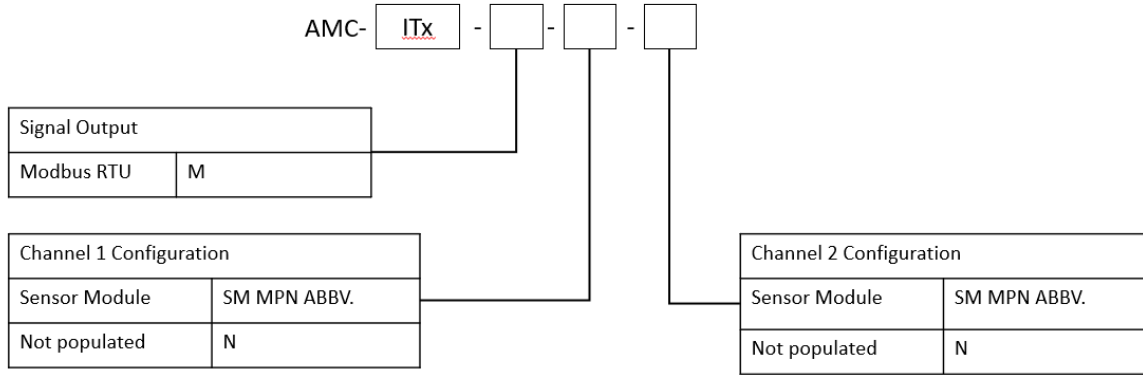
Enclosure: Class 1, Groups A, B, C, D.
Operating Temperature: -40°F to 104°F (-40°C to 40°C)
** Operating temperature will be subject to the temperature rating of any attached sensor. Please refer to the sensor spec sheet to determine the rating for a given combination
Approvals: CSA/CSA USA for Hazardous Locations
Class 1, Div 1, ABCD



FEATURES

- Patented ADAPTiCal™ algorithm ensures calibrations are optimized for the unique operating conditions of each sensor
- Calibration performed with a magnetic pencil.
- Sensors are temperature compensated throughout operating range for accuracy
- Programmable service reminders
- EMI hardened and protected against over-voltage and polarity reversal
- 2 Year Warranty (sensors excluded)

AMC-ITx Series Build Codes



Channel 1 = N if shipping transmitter only (as replacement or to support remote ITx Detector Head)

SM MPN Options		
MPN	SM MPN ABBV.	Description
AMC-SM-60A01-EP	60A01-EP	Sensor Module, Methane (CH4), 0-100% LEL, EP Housing
AMC-SM-61A01-EP	61A01-EP	Sensor Module, Propane (C3H8), 0-100% LEL, EP Housing
AMC-SM-62A01-EP	62A01-EP	Sensor Module, Hydrogen (H2), 0-100% LEL, EP Housing
AMC-SM-70A01-EP	70A01-EP	Sensor Module, O2, 0.5-25% VOL, EP Housing
AMC-SM-82A01-EP	82A01-EP	Sensor Module, H2S, 0-50ppm, EP Housing
AMC-SM-86A01-EP	86A01-EP	Sensor Module, NH3 0-100ppm, EP Housing
AMC-SM-86B01-EP	86B01-EP	Sensor Module, NH3 0-300ppm, EP Housing
AMC-SM-91A02-EP	91A02-EP	Sensor Module, CO 0-100ppm, EP Housing
AMC-SM-91B02-EP	91B02-EP	Sensor Module, CO 0-300ppm, EP Housing
AMC-SM-95A01-EP	95A01-EP	Sensor Module, SO2, 0-25ppm, EP Housing
AMC-SM-97A01-EP	97A01-EP	Sensor Module, Cl2, 0-10ppm, EP Housing
AMC-SM-98A02-EP	98A02-EP	Sensor Module, NO2 0-10ppm, EP Housing