



## AW FLOW METERS

# RT-Ex15

## Meter Mounted Flow Monitor with HART Communication Protocol



### Technical Specifications:

- Digital meter mounted flow monitor
- Flow rate / total screens
- 4-20mA rate output and scaled pulse output
- Gate time function
- HART communication protocol
- Test Point for external frequency input
- Programmable outputs
- Magnetically select any key functions

### **What is a RT-Ex15 meter mounted flow monitor?**

The RT-Ex15 is a meter mounted digital flow monitor housed in a Class I Hazardous Location rated enclosure that features HART communication protocol. A large, back-lighted LCD graphic display provides an easy to read indication of flow rate or total in user programmable engineering units. To change any key functions, simply use the magnet that is attached. No opening of the enclosure is required. To prevent the magnet from entering the programming mode inadvertently, an on board jumper controls ability to allow programming via external magnet. An isolated input also allows for remote reset of the totalizer. Programmable opto-isolated open-collector outputs provide flow rate limit indication or a pulsed total output for remote monitoring and recording of totals. A 4-20 mA rate output with user programmable filtering and scaling is also provided for remote indication.



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### Monitor Technical Data

**Power Requirement:**

15-24 VDC/150mA. (customer supplied)

**Analog Output 4-20 mA:**

16-bit D/A Converter

3 wire or 2 wire plus separate supply

Max. Load Impedance: 500 ohm.

**Enclosure Certifications:**

Class I, Groups A, B, C, D

NEMA 4X

Class II, Groups E, F, G

FM Class No. 3615

Class III

FM & CSA approval pending

Atex: EEx d IIC, IP68

Copper Free Standards

**Sensor/Monitor Frequency Range:**

0-4000 Hz

**Temperature Ratings:**

-20 to 60°C (-4 to 140°F) Ambient

**Connection:**

3/4" NPT Conduit Provisions

**Two Opto-Isolated Open-Collector Outputs:**

5-30 VDC Rating, 50 mA Max. (Minimum Load

Impedance Required, 600 Ohm @ 30 VDC)

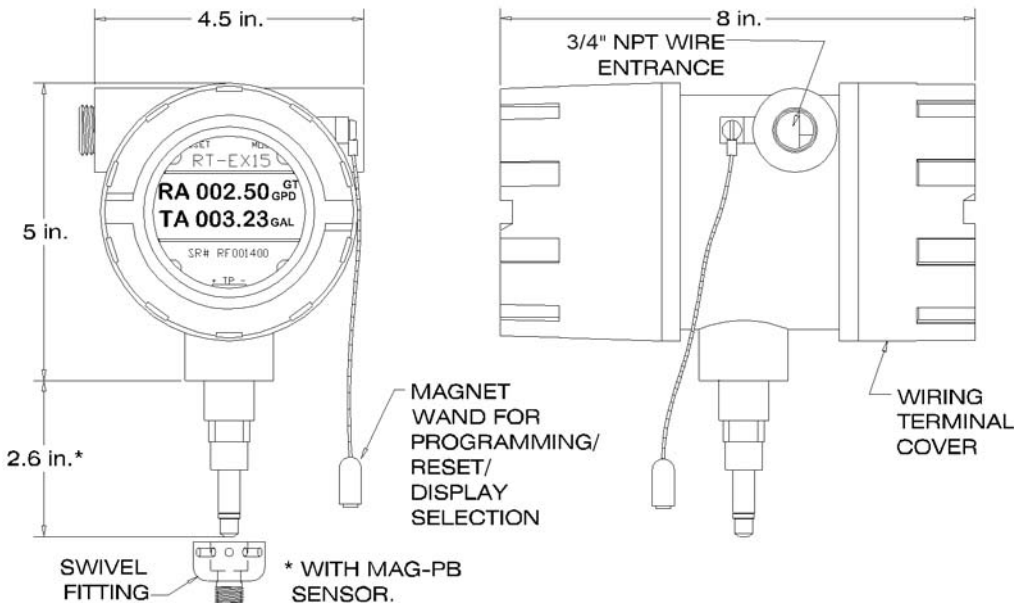
**Opto-Isolated Reset Input:**

5-30 VDC Input, 3.3Kohm Impedance

### Part Number Configuration

<u>RT-Ex15 Part Number</u>	<u>Option</u>
RT-Ex15A	Standard Unit
RT-Ex15B	Infrared (JVK Only)
RT-Ex15C	High-Temperature Pick-up
RT-Ex15D	TR Nose (Turbine Only)

**NOTE:** All RT-Ex15 meter mounted flow meters are available with HART communication protocol. Contact the factory for HART communications protocol part availability and part numbering information.



Products may be subject to change without notice – Contact factory for current information