

RT-30EX



Hazardous Area Rated Flow Transmitter

Ideal for any industry or flow measurement application where an explosion-proof local rate & total display is required, such as in offshore chemical injection, hydraulic fracturing, or industrial paint spray booths.

Features:

- CSA/CUS Explosion-proof certification for use in hazardous areas in US and Canada: This transmitter has been certified by CSA as "explosion-proof" and rated for use in hazardous areas. (Class I, Div. 1 Groups C & D; Class II, Div. 1 Groups E, F, G; Class III) for US and Canadian use.
- HART® communication protocol option for remote monitoring and programming



Benefits:

EASY FIELD PROGRAMMING

Flow rate or total can be easily programmed to display in choice of engineering units. To change any key functions, simply use the magnet that is attached. No opening of the enclosure is required.

OPTIONS FOR REMOTE INDICATION

The RT-30EX has options for remote flow monitoring:

- Frequency pulse output (standard)
- 4-20mA, user scalable (standard)
- HART communication protocol (optional)

REMOTE MOUNTING AVAILABLE

The RT-30EX can be mounted remotely when used with the HUB-40EX sensor.

UP AND RUNNING IN MINUTES

Easy thread-in installation. A quick setup procedure allows you to have the flow monitor working with just a few simple programming steps.

FLEXIBLE MOUNTING

Because of the integral swivel union, the RT-30EX unit can be rotated 360° for optimal viewing from any angle. Options available to fit any AW Gear Meter or SABRE turbine meter.

WEATHER-PROOF ENCLOSURE

NEMA 4X enclosure provides environmental protection from moisture and debris.

Technical Specifications:

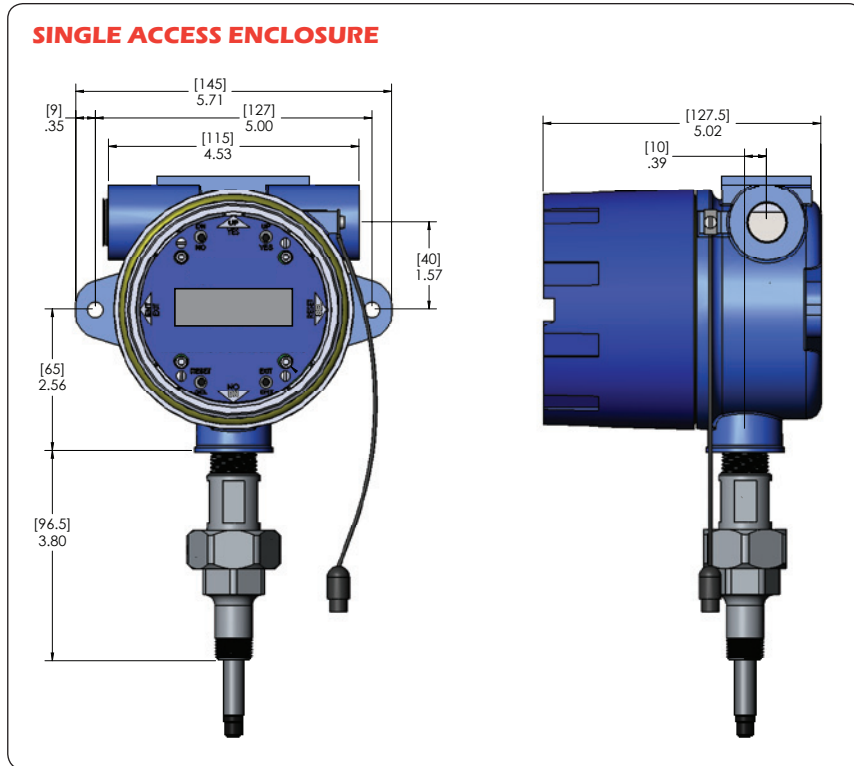
- **Power Requirement:**
9-24 VDC / 200mA (customer supplied) Class 2
- **Analog Output 4-20mA:**
 - PWM converter
 - 3- or 2-wire plus separate supply
 - Max load impedance 500 ohm
- **Frequency Output**
- **Three Opto-Isolated Open-Collector Outputs:**
 - Programmable for frequency or limit outputs
 - 5-30 VDC rating
 - 40 mA max (min. load impedance required 600 Ohm @ 30 VDC)
- **Built in 30 point Linearizer**
- **CSA Certifications:**
 - Class I, Div. I, Groups C, D
 - Class II, Div. I, Groups E, F, G
 - Class III
- **Sensor / Monitor Frequency Range:**
0-4,500 Hz
- **Temperature Rating:**
-20 to 60°C (-4 to 140°F)
- **Connection:**
3/4" female NPT conduit provisions
- **One Opto-Isolated Input:**
 - 9-24 VDC remote reset

RT-30EX

Hazardous Area Rated Flow Transmitter



Monitor Dimensions:



Part Number Guide:

RT - 30EX -

Enclosure style:

D = Dual access

S = Single access

Sensor:

00 = None *

(Remote Mount)

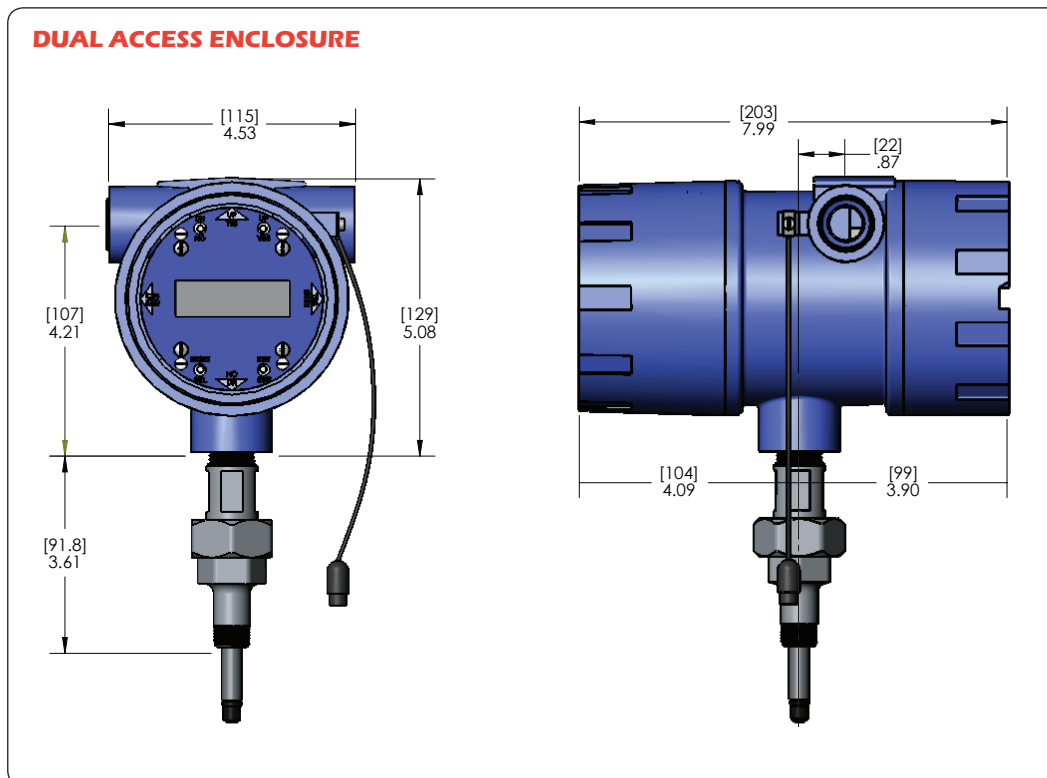
01 = HUB-40EX1-S1-H2

Communication Protocol:

"blank" = none

H = Hart®

* Requires approved remote mount sensor from AW-Lake



Products may be subject to change without notice - Contact factory for the most up-to-date product information.

Contact AW Gear Meters:

toll-free:
800-850-6110

fax:
262-884-9810

email:
awinfo@aw-lake.com

website:
www.awgarmeters.com