RT-30EX Hazardous Area Rated Flow Transmitter

Common Uses

The RT-30EX is our industry-proven EX-rated digital flow transmitter for hazardous areas. This transmitter offers numerous outputs and displays flow rate, flow total, grand total in the engineering units of your choice. Applications include:

- Chemical injection
- Automotive/Industrial paint circulation systems
- Petrochemical processing
- Onshore oil recovery & hydraulic fracturing
- Natural gas odorization

Technical Specifications

Power Requirement	9-24 VDC / 200mA (customer supplied) Class 2
Digital Display	Graphic backlit LCD display offers a variety of screens: • Rate* • Total* • Rate & Total* • Grand Total* • Status • Analog Out • Limit
Analog Output 4-20mA	3- or 2-wire plus separate supply, Max load impedance 500 ohm
Frequency Output	
Three Opto-Isolated Open-Collector Outputs	• Frequency or limit outputs • 5-30 VDC rating • 40 mA max (min. load impedance required 600 Ohm @ 30 VDC)
Temperature Rating	-20 to 60°C (-4 to 140°F)
Linearization	Built-In 30-Point Linearizer
Frequency Range	0-4,500 Hz
Connection	3/4" female NPT conduit provisions
One Opto-Isolated Input	9-24 VDC remote reset
cCSAus Certification	• Class I, Div. I, Groups C, D • Class II, Div. I, Groups E, F, G • Class III
ATEX Certification**	II 2 G, Ex d IIB+H2 T5 Gb, Ta = -40°C to +60°C
IECEx Certification**	Ex d IIB+H2 T5 Gb, Ta = -40°C to +60°C

* Data displayed in up to 10 characters. ** ATEX & IECEx available only for aluminum housings

AW-LAKE
PROCESS FLOW MEASUREMENT

2440 W. Corporate Preserve Dr. #600, Oak Creek, WI 53154 | www.aw-lake.com

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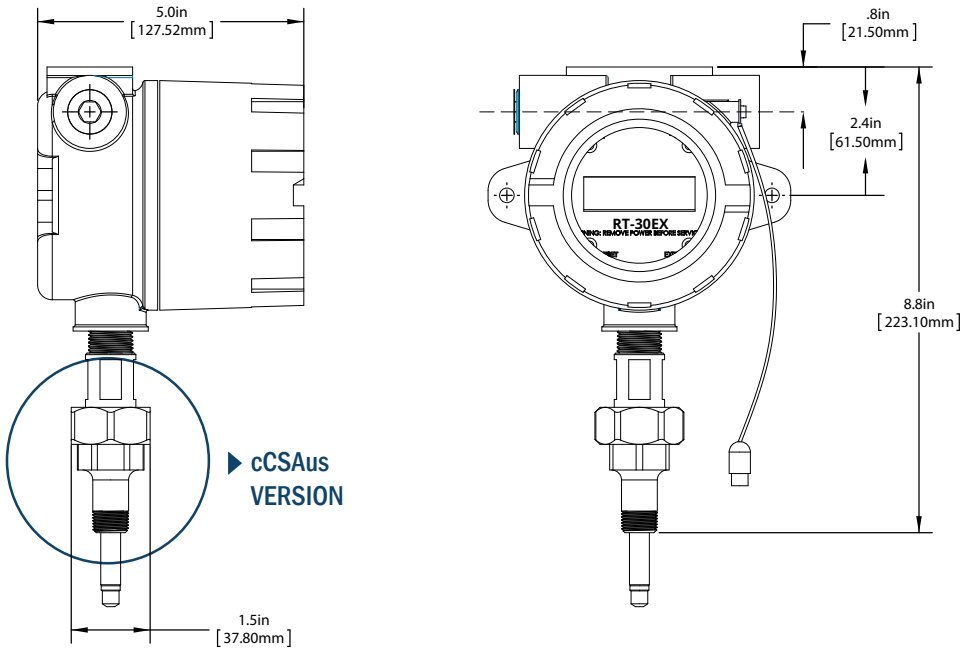
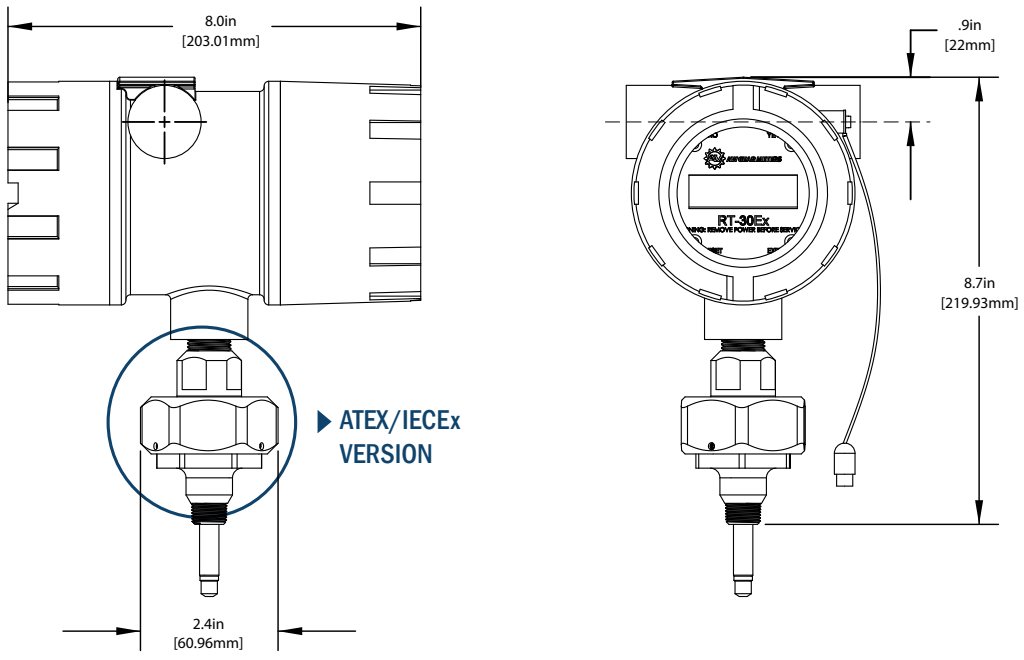
Single Access Enclosure (shown here with HUB-40 sensor)



Dual Access Enclosure (shown here with HUB-41 sensor)



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

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Part Number Guide

RT – 30EX – ☐ ☐ ☐

Enclosure Style
D = Dual access, Aluminum*
S = Single access, Aluminum*
T = Single access, 316SS**

**Copper-free aluminum, meeting less than 0.4%.*

Communication Protocol
"blank" = none
H = HART®

Sensor
01 = HUB-40EX sensor with CSA/cUS hazardous area certification
04 = HUB-41EX sensor with ATEX and IECEx hazardous area certification
00 = None*** (Remote Mount) with CSA certification
00A = None*** (Remote Mount) with ATEX and IECEx certification

***ATEX and IECEx certifications are not available with 316 stainless steel housing.*

****Remote mount sensors require HUB-4x remote mount sensor - refer to HUB-4EX datasheet for ordering information.*

RT-30EX-D01 with dual access aluminum enclosure and ATEX and IECEx certification

RT-30EX-T04 with single access 316 stainless steel enclosure and CSA certification

End-of-Life Disposal:

At the end of its service life, this product and its associated electronics should **not be discarded with municipal solid waste.** We strongly recommend recycling the unit in accordance with **all applicable local, state, and federal regulations.** Electronic components may qualify as universal waste and should be handled through an appropriate recycling or collection program. Responsible recycling supports our commitment to environmental stewardship under **ISO 14001.**

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