

# INTEGRAL OR REMOTE SIGNAL CONDITIONER

FLSC-C3-LIQ



- ✓ DC or AC Powered
- ✓ Pulse and Analog Outputs
- ✓ High or Low Alarms (Optional)
- ✓ 20 Point Linearization
- ✓ Factory Configuration Available
- ✓ Windows® Configuration Software\*



FLSC-C3-LIQ shown smaller than actual size.

The FLSC-C3-LIQ is a DC powered, microprocessor controlled transmitter. It outputs a pulse scaled per unit of flow, and analog signal proportional to flow rate.

The FLSC-C3-LIQ-AL can be configured with high or low alarms. The FLSC-C3-LIQ is designed for integral mounting to the FTB-100, FTB-200 and FTB-400 Series\*\* liquid turbines.

\*\* Visit us online for details.

## SPECIFICATIONS

**Input Signal Type:** Magnetic pickup, MCP pickup, contact closure, pulse

**Input Frequency Range:** 0.2 Hz to 4 KHz

**Signal Level:** 10 mV rms to 30 Vdc

**Power Supply:** 13 to 30 Vdc reverse polarity protection

**Analog Output:** 4 to 20 mA, 1 to 5V 24 mA overflow condition

**Load Resistance:** Maximum 650  $\Omega$  at 24 Vdc

**Accuracy:**  $\pm 0.02\%$  of full scale

**Temperature Drift:** 40 ppm/degree C

**Pulse Output:** 0 to 5V, 0 to 10V, open collector, AC square. Internal pull up 10 k $\Omega$ . Recommended minimum load resistance 50 k $\Omega$

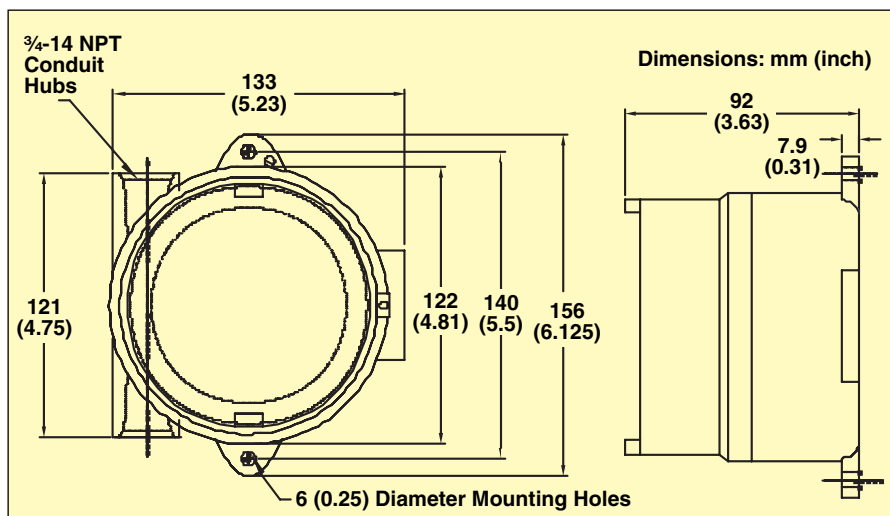
**Pulse Scaling:** Divide by 1, 10 or 100 per flow unit

**Hi/Lo Alarm (-AL Model) Optional:**

Relay (2A, 30 Vdc), 0 to 5V, open collector (0.5A, 30V)

**Communications:** RS232 port for configuration and diagnostics

**Operating Temperature:** -40 to 85°C (-40 to 185°F)



Enclosure meets Class I, Div 1 & 2, Groups A, B, C & D. Class 1, Zones 1 & 2, Groups IIB + H2IIA. Class II, Div 1 & 2 Groups E, F & G. Class III. NEMA 3, 4 7(B, C, D) 9(E, F, G). Cenelec EEx d IIC IP66, UL, CSA, FM Approved. ATEX Certified.

**Humidity:** 0 to 90% non-condensing

**Enclosure:** Extruded aluminum explosion-proof ATEX

**Regulatory:** CE Compliant up to 20 point linearization Windows® Configuration Software\* (cable sold separately)

## To Order

Model No.	Description
FLSC-C3-LIQ	DC powered signal conditioner 4 to 20 mA, CE ATEX
FLSC-C3-AL-LIQ	DC powered signal conditioner 4 to 20 mA, alarm CE ATEX
OM-CONV-USB	USB to RS232 converter
FLSC-C-CABLE	Molex to 9-pin "D" connector

Comes complete with operator's manual and enclosure.

**Ordering Example:** FLSC-C3-LIQ, DC powered turbine signal conditioner with FLSC-C-CABLE Molex to 9-pin "D" connector.