

INTEGRAL OR REMOTE SIGNAL CONDITIONER



FLSC-C1-LIQ



- ✓ Loop Powered
4 to 20 mA
- ✓ Signal Linearization
- ✓ Factory Configuration Available
- ✓ Windows® Configuration Software*



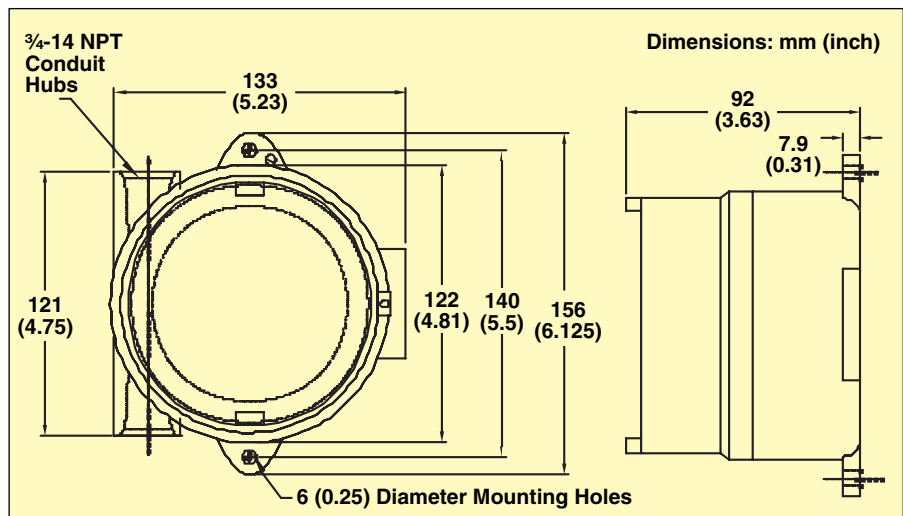
FLSC-C1-LIQ shown smaller than actual size.

The FLSC-C1-LIQ is a microprocessor controlled 2-wire 4 to 20 mA transmitter. The FLSC-C1-LIQ converts a low level, frequency signal from a flow sensor into an analog 4 to 20 mA output. The output is proportional to the flow rate. The FLSC-C1-LIQ is designed for integral mounting to the FTB-100, FTB-200 and FTB-400 Series** liquid turbines.

** Visit omega.com/ftb100, omega.com/ftb200 or omega.com/ftb400 for details.

SPECIFICATIONS

Input Signal Type: Magnetic pickup
Input Frequency Range: 0.2 Hz to 4 KHz
Signal Level: 10 mV rms to 30 Vdc
Power Supply: Loop power 10 to 30 Vdc
 Reverse polarity protected
Loop Burden Voltage: 8.5V
Analog Output: 4 to 20 mA
 24 mA overflow condition
Load Resistance: Maximum 650 Ω at 24 Vdc
Accuracy: ±0.02% of full scale
Temperature Drift: 40 ppm/degree C
Communications: RS232 port for configuration and diagnostics
Operating Temperature: -40 to 85°C (-40 to 185°F)
Humidity: 0 to 90% non-condensing
Enclosure: Extruded Aluminum Explosion-Proof ATEX enclosure
Regulatory: CE Compliant
 Up to 20 point linearization
 Windows® Configuration Software* (cable sold separately)



Enclosure meets Class I, Div 1 & 2, Groups A, B, C & D. Class 1, Zones 1 & 2, Groups IIB + H2 IIA. 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.

To Order Visit omega.com/flsc-c1-liq for Pricing and Details

Model No.	Description
FLSC-C1-LIQ	Loop-powered signal conditioner, 4 to 20 mA, 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.

* Available free at omega.com/ftp

Ordering Example: FLSC-C1-LIQ, loop-powered turbine signal conditioner in ATEX enclosure with FLSC-C-CABLE Molex to 9-pin "D" connector.