DataKeep™ 300500 XP Level Indicator

FLOWLINE®

Application

CSA approved explosion proof loop powered level indicator brings modern design, easy readability and enhanced functionality to hazardous environments displaying engineering units connected in series with one 4-20 mA, continuous level transmitter. Select this level indicator for hazardous applications with an explosion proof level sensor. The windowed field enclosure is wall mounted.

Features

☑ Aluminum XP windowed enclosure with dual conduit ports

☑ LCD display indicates engineering units and descriptors

☑ Non-volatile memory with security password

☑ SafeTouch through-glass button programming

☑ 32-point, square root or exponential linearization

Key Benefits

☑ Simple loop powered display for use in classified, explosion proof applications

☑ Add display to current loop in the classified area

☑ Displays in the following engineering units: inches, feet, meters, gallons, and liters of liquid

☑ Easy to configure and scale

☑ Hi or Lo alarm indication

Compatible Products

EchoSafe®
Ultrasonic Level Transmitter

XP88/89

Application

FM approved for hazardous environments, the explosion proof ultrasonic level transmitter provides continuous level measurement up to 32.8' (10m) with a 4-20 mA signal output, and is configured via the integral push button display module. This non-contact liquid level sensor is ideally suited for corrosive, ultrapure, sticky or dirty liquids, and is widely selected for bulk storage, day tank, lift station and process tank level applications located in a classified area.
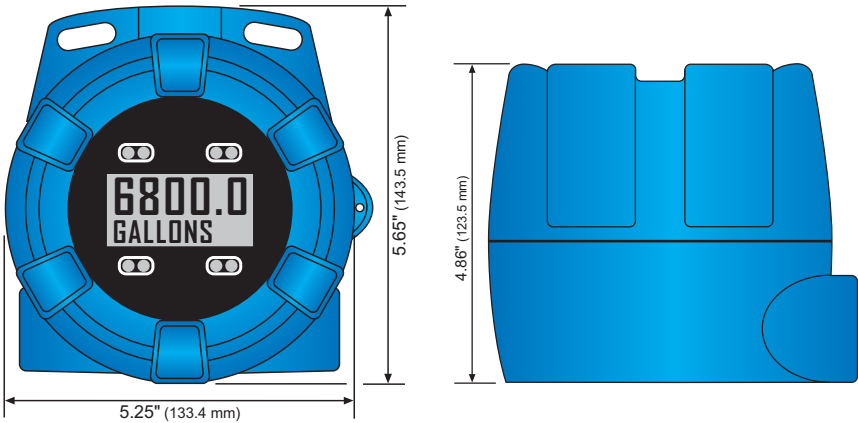
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Specifications

Display type:	Upper: LCD 5 digits, Lower: 7 characters
Display units:	Engineering
Display output:	0.001 to 99,999
Display height:	Main: 0.70" (18mm) Secondary: 0.4" (10mm)
Decimal point:	0, 1, 2 or 3
Configuration:	Push button / SafeTouch through-glass
Memory:	Non-volatile
Sensor input:	(1) 4-20 mA transmitter
Loop power:	9-30 VDC
Voltage drop:	3.0 VDC @ 20 mA w/o loop-powered backlight 6.0 VDC @ 20 mA with loop-powered backlight
Ambient temp.:	F: -40° to 167° C: -40° to 75°
Enclosure rating:	NEMA 4X, 7 & 9 (IP68)
Enclosure mat'l.:	Aluminum
Window mat'l.:	Glass
Conduit entrance:	Dual, 3/4" NPT
Classification:	Explosion proof
Compliance:	CE
Approvals:	FM, ATEX, IECEx, CSA

Dimensions

5.65" (143.5 mm)

4.86" (123.5 mm)

5.25" (133.4 mm)

Accessories

For enhanced flexibility and performance, use the below recommended power supply.

P/N	Description
	AC-DC Sensor & Indicator Power Supply
LC95-2001	100-240 VAC, 24 VDC @ 0.60A, 35mm Rail

Ordering

300500(1)

Notes
1) For explosion proof level measurement, package the level indicator with the EchoSafe transmitter.