

# Model 328 • LCD Display, Loop Powered

## Features

- ✓ Versatile
- 🏠 Improved personnel safety for hazardous places such as sewers, pump pits, covered lagoons, etc.
- 👉 Easy pushbutton setup
- 🌊 Suitable for most flumes, and weirs

## Description

The Delta Controls **Model 328** Display is a 4-20 mA loop powered, 3.5 digit LCD process variable display. This display has voltage spike protection and is supplied pre-calibrated at **0% to 100%** and may be field calibrated to engineering units. The reading may be set from 0.0 mA at 4.0 mA up to 19.99 mA at 20 mA. Decimal point position may be changed by a plug setting on display body's front.

The 328 display is a three inch integral potted plug-in module for use in rough services and withstands corrosive environments and vibration.



Model 328

## Specifications

<b>Input (Isolated):</b>	4-20 mA
<b>Max Voltage Drop:</b>	7 V
<b>Flow Elements Supported:</b>	Parshall flume, rectangular weir, Cipolletti (trapezoidal) weir, V-notch weir, Palmer-Bowlus flume, and others
<b>Linearization Curve:</b>	$(K_p - K_h * H) * H^{K_e}$
<b>Accuracy:</b>	> 0.125% FS
<b>Indication:</b>	Flow rate, total flow, input current
<b>Calibration Entry:</b>	4 pushbutton entry switches
<b>Memory Protection:</b>	Non-volatile
<b>Wiring Connections:</b>	#6 terminal posts, banana plug
<b>Ambient Temp Range (Basic Unit):</b>	-10 °F to +150 °F (-23 °C to 66 °C)
<b>Certifications:</b>	
<b>Explosion-proof Housing Option:</b>	Third Party Listed by CSA NRTL/C (USA and Canada) Class I, Groups B, C and D; Class II, Groups E, F and G; Class III; Encl 4X

## Model Numbering System

**MODEL EXAMPLE**    **MODEL** - **HOUSING RATING** - **OPTIONS**

**328** - **4XR** - **AA**

MODEL	DESCRIPTION
328	LCD Display, Loop Powered

HOUSING RATING	DESCRIPTION
AA	None
4XR	Environment-proof, 4X, PVC, Classes 1 & 2, Divisions 1 & 2, Groups ABCD, EFG, Remote mount
7WR	Explosion-proof, 7X, Aluminum, Classes 1 & 2, Divisions 1 & 2, Groups BCD, EFG, Remote mount
7TR	Explosion-proof, 7X, 300 Stainless Steel, Classes 1 & 2, Divisions 1 & 2, Groups BCD, EFG, Remote Mount

OPTIONS	DESCRIPTION
AA	None
PSM	Housing mounting bracket for remote model 105; Surface or 2 in pipe mounting

**Notes:**

- PSM only available with remote mount housing

### REQUIRED ORDERING INFORMATION:

- Detailed model number
- Tag or nameplate detail (if required)
- Documentation & /testing packages (if required, refer to page Additional Resources)