



INDICATOR/ CONTROLLER



Technology Solutions

Panel Mount Loop-Powered Process Indicator

TEK-LCD 7800C



Decimal Display with Bar Graph

1 FEATURES

- 4-20 mA Input.
- Loop-Powered Backlight with Red Backlight for Alarm Conditions.
- 5-Digit Alphanumeric Top Line.
- 8-Digit Alphanumeric Bottom Line.
- Displays Level in Feet and Inches (up to 999 Feet, 11 & 15/16 inches).
- 20-Segment Bar Graph with Numeric Percent Indication.
- Conformal Coated PCBs for Dust and Humidity Protection.
- Two Open Collector Outputs Standard.
- Optional Loop-Powered Solid-State Relays.
- Optional 4-20 mA Analog Output.
- Display Relay Runtime and Cycle Count.

3 APPLICATIONS

- Water and Wastewater industries
- Oil and Gas industries
- Pharmaceutical industry
- Food processing industry

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2 SPECIFICATION

Note: All specifications apply to operation at 77°F (25°C).

Display	Five Digits Top Display (-9999 to 99999)	¾" (17.8 mm) high 14-segment alphanumeric Automatic lead zero blanking
	Seven Characters (Engineering Units)	½" (10.2 mm) high 14-segment alphanumeric
	Symbols	High & Low Alarm, Password Lock
	Backlight	Backlight
Display Update Rate	Ambient > -13°F: 2 Updates/Second Ambient < -13°F: 1 Update/5 Seconds	
Overrange	Display flashes 99999	
Underrange	Display flashes -9999	
Programming Method	Four through-window buttons when cover is installed Four internal push-buttons when cover is removed	
Recalibration	Recalibration is recommended at least every 12 months	
Max/Min Display	Max/Min readings reached by the process are stored until reset by the user or until power to the meter is turned off	
Password	Programmable password restricts modification of programmed settings	
Non-Volatile Memory	All programmed settings are stored in non-volatile memory for a minimum of ten years	
Normal Mode Rejection	64 dB at 50/60 Hz	
Accuracy	±0.05% FS ±0.001 mA	
Temperature Range	Operating Temperature: -40°F to 167°F (-40°C to 75°C) for safe area products -40°F to 158°F (-40 to 70°C) for hazardous area products Storage Temperature: -40°F to 185°F (-40 to 85°C)	
Relative Humidity	0 to 90% non-condensing Printed circuit boards are conformally coated	