



INDICATOR/ CONTROLLER

NEMA 4X Loop-Powered Process and Level Indicator

TEK-LCD 7800A



Technology Solutions



1 FEATURES

- 4-20 mA Input Loop-Powered
- Modern, Sleek and Practical Enclosure for Safe Areas
- Optional Level Indicator Bar Graph
- 7 Alphanumeric Character, 0.4" (0.03 ft) Lower Display
- SafeTouch® Through-Window Button Programming
- Password Protection
- 32-Point, Square Root, or Exponential Linearization
- Loop or External DC-Powered Backlight Standard
- 3.0 V Drop (6.0 V with Backlight)
- NEMA 4X, IP65 Plastic Enclosure
- Flanges for Wall or Pipe Mounting
- HART® Protocol Transparent
- Operates from -40 °C to 75 °C (-40°F to 158°F)

3 APPLICATIONS

- Cement industry
- Water and waste water industries
- Oil and Gas
- Pharmaceutical
- Food processing industry

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2 SPECIFICATION

Display	3½ digit LCD, 1" (0.08 ft); -1,999 to 1,999
Display Update Rate	2.5 Updates/Second
Display Orientation	Display may be mounted at 90° increments up to 270° from default orientation
Externally Powered Backlight	Voltage Range: 9-36 VDC
Display Orientation	Display may be mounted at 90° increments up to 270° from default orientation
Over Range	Display reads 1 on the left most digit
Recalibration	Recommended at least every 12 months.
Programming Method	Four front mounted rotary control dials accessed when the cover is removed.
Normal Mode Rejection	60 dB rejection ratio
Operating Temperature Range	-40 °C to 75 °C (-40°F to 158°F)
Storage Temperature Range	-40 °C to 75 °C (-40°F to 158°F)
Relative Humidity	0 to 90% non-condensing
Connections	Screw terminals accept 12 to 22 AWG wire
Enclosure	NEMA 4X, IP65 plastic field enclosure. Color: grey. Material: Polycarbonate with UV Stabilizer. Three ¾" NPT threaded conduit Two ¾" NPT plastic conduit plugs, with 1.29" wrenching flats and a screwdriver slot, are included.
Mounting	May be mounted directly to conduit. Two slotted flanges for wall mounting or NPS 1½" to 2½" or DN 40 to 0.21 ft pipe mounting.
Overall Dimensions	5.67" x 5.25" x 4.18" (0.47 ft x 0.43 ft x 0.34 ft) (W x H x D)
Weight	1.65 lbs (26.4 oz, .75 kg)