



## INDICATOR/ CONTROLLER

# NEMA 4X Loop-Powered Flow Rate/ Totalizer Indicator

## TEK-LCD 7802A



Technology Solutions



### 1 FEATURES

- 4-20 mA Input Loop-Powered
- 5-Digit, 0.7" (0.05 ft) Upper Display
- 7 Alphanumeric Character, 0.4" (0.03 ft) Lower Display
- Loop or External DC-Powered Backlight Standard
- SafeTouch Through-Window Button Programming
- Password Protection
- 3.0 V Drop without Backlight
- Plastic NEMA 4X, IP65 Enclosure
- Flanges for Wall or Pipe Mounting
- Linear, Square Root, or Programmable Exponent
- Operates from -40°F to 167°F (-40 °C to 75 °C)
- Rate in Second, Minute, Hour, or Day
- Open Collector Pulse or Alarm Output

### 3 APPLICATIONS

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

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### 2 SPECIFICATION

Display	Upper: Five digits (-9,999 to 99,999) 0.70" (0.05 ft) high, 7-segment, automatic lead zero blanking. Lower: Seven characters 0.4" (0.03 ft) high, 14 segment alphanumeric. Symbols: for high & low alarm, password lock. Backlight: white
Display Update Rate	Ambient > -25°C (77°F): 2 Updates/Second. Ambient < -25°C (77°F): 1 Update/5 Seconds
Display Orientation	Display may be mounted at 90° increments up to 270° from default orientation.
Overrange	Display flashes 99,999
Underrange	Display flashes -9,999
Programming Method	Four SafeTouch® through-window buttons when cover is installed. Four internal pushbuttons when cover is removed.
Noise Filter	Programmable Lo, Med, Hi, or Off
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.
Advanced Functions	Live input calibration, linearization, square root, or programmable exponent
Non-Volatile Memory	All programmed settings are stored in non-volatile memory for a minimum of ten years if power is lost.
Normal Mode Rejection	64 dB at 50/60 Hz
Operating Temperature Range	-40°F to 167°F (-40°C to 75°C).
Storage Temperature Range	-40°F to 167°F (-40°C to 75°C).
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 3/4" NPT threaded conduit openings. Two 3/4" 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 1 1/2" to 2 1/2" or DN 0.13 to 0.21 ft pipe mounting.
Overall Dimensions	5.67" x 5.25" x 4.18" (W x H x D) (0.47 ft x 0.43 ft x 0.34 ft)
Weight	1.65 lbs (26.4 oz, 0.75 kg)