INDICATOR/ CONTROLLER

Explosion-Proof Loop-Powered Feet and Inches Level Indicator

TEK-LCD 7801B

TEKTROL
Technology Solutions

1 FEATURES

- Display Level in Feet & Inches
- 4-20 mA Input Loop-Powered
- Programmable 1/8" or 1/16" Display
- 20-Segment Tank Level Indicator
- Lower Display for Tag, Volume, or Percent
- SafeTouch® Through-Glass Button Programming
- Open Collector Alarm Output
- Loop-Powered or External DC-Powered Backlight Standard
- Explosion-Proof, IP68, NEMA 4X Enclosure
- 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

CONTACT US

📍 796 Tek Drive, Crystal Lake, IL 60014 USA

📞 +1 847 857 6076

✉ Email: tektrol@tek-trol.com

🌐 www.tek-trol.com

2 SPECIFICATION

Display	Feet & Inches display: 0.60" (0.05 ft) high, 0 to 699 ft - 11 15/16 IN with 1/16 or 1/8 fraction display. Lower 7-digit display: 0.4" (0.03 ft) high, 14-segment alphanumeric characters, display tag, volume 0 to 9999999, and/or 0-100 percent. Tank Level Indicator: 20 segments, F (Full) and E (Empty) Alarm Indication: HI and LO; Backlight: White, loop or DC powered
Display Assignment	Lower display may be assigned to custom unit or tag, volume, volume and tag, percent height, percent height and tag, or off.
Display Update Rate	Ambient > -13°F: 2 Updates/Second Ambient < -13°F: 1 Update/5 Seconds
Externally Powered Backlight	Voltage Range: 9-36 VDC
Over Range	Level display flashes to 699 ft 11 15/16 IN Volume display flashes 9999999 if over range
Under Range	
Programming Method	Four SafeTouch® through-glass buttons when cover is installed. Four internal pushbuttons when cover is removed.
Noise Filter	Programmable low (LO), medium (MED), high (HI), or off (OFF)
Recalibration	Recalibration is recommended at least every 12 months.
Password	Programmable password restricts modification of settings.
Nonvolatile 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 °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	Explosion-proof die cast aluminum with glass window, corrosion resistant epoxy coating, color: blue. NEMA 4X IP68. Two ¾" NPT threaded conduit openings. One ¾" NPT metal conduit plug with 0.03 ft hex key fitting installed.
Mounting	May be mounted directly to conduit. Two slotted flanges for wall mounting or NPS 1½" to 2½" or DN 0.13 to 0.21 ft pipe mounting.
Overall Dimensions	5.65" x 5.25" x 4.86" (W x H x D) (0.47 ft x 0.43 ft x 0.40 ft)
Weight	5.00 lbs (80 oz, 2.27 kg)

Flow | Level | Temperature | Pressure | Valves | Analyzers | Accessories | TekValSys