



Technology Solutions



INDICATOR/  
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## NEMA 4X Large Display Batcher

# TEK-BATCH 7900B

### 1 FEATURES

- "EZ setup"- Guided setup for first time users
- Large Digit LCD Display
- Rate/Total and Batching Functions
- Menu selectable hardware & software feature
- Advanced Printing Capabilities
- Isolated pulse & analog outputs standard
- RS-232 port standard, RS-485 optional windows™ setup software
- On Board Data Logging
- DDE server & HMI software available
- Remote metering by wireless or modem

### 3 APPLICATIONS

- Distilleries
- Water and waste water industries
- Oil and Gas
- Pulp and Paper
- Dairy industries

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### 2 SPECIFICATION

Operating temperature	32°F to 122°F (0°C to 50°C)
Storage temperature	-40°F to 185°F (-40°C to 85°C)
Humidity	0-95% Non-condensing
Materials	Plastic, UL94V-0, Flame retardant Bezel: Textured per matt finish
Display	Type: 2 lines of 20 characters, Types: Backlit LCD, Character Size: 0.35" (0.02 ft)
Keypad	Keypad Type: Membrane Keypad with 16 keys
Extended Temperature	-4°F to 131°F (-20°C to 55°C)
Power input	110 VAC Power: 85 to 127 Vrms, 50/60 Hz 220 VAC Power: 170 to 276 Vrms, 50/60 Hz DC Power: 2 VDC (10 to 14 VDC), 24 VDC (14 to 28 VDC) Power Consumption: AC: 11.0 VA (11W), DC: 300 mA max.
Accuracy	0.02% FS at 68°F
Ranges	Voltage: 0-10 VDC, 0-5 VDC, 1-5 VDC, Current: 4-20 mA, 0-20 mA
Basic measurement resolution	16 bit
Automatic fault detection	Signal over/under-range, Current Loop Broken
Update rate	4 updates/sec
Calibration	Software Calibration (no trimmers) and Auto-zero Continuously
Extended calibration	Learns Zero and Full Scale of each range using special test mode.
Real time clock	The Tek-Batch is equipped with a battery backed real time clock with display of time and date. Format: 12 or 24 hour time display; Day, Month, Year, date display
Stored information (ROM)	Steam Tables (saturated & superheated), Fluid Properties: Water, Air, Natural Gas and Other Common Fluids or Generic
Excitation voltage	Menu Selectable: 5, 12 or 24 VDC @ 100 mA (fault protected)
Listing	UL/C-UL Listed (File No. E192404), CE Compliant
Data logging	The data logger captures print list information to internal storage for approximately 1000 transactions. This information can be used for later uploading or printing. Storage format is selectable for Comma-Carriage Return or Printer formats.
Relay Outputs	Number of relays: 2, Contact Style: Form C contacts Contact Ratings: 5 amp, 240 VAC or 30 VDC