



Technology Solutions



INDICATOR/
CONTROLLER

NEMA 4X Flow
Computer

TEK-FC 8000B

1 FEATURES

- "EZ setup"- Guided setup for first time users
- Liquid, gas, steam & heat flow equations
- Utility metering
- Menu selectable hardware & software feature
- Internal data logging option
- Isolated pulse & analog outputs standard
- RS-232 port standard, RS-485 optional windows™ setup software
- Attractive, rugged, field mount enclosure
- 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

CONTACT US

796 Tek Drive, Crystal Lake,
IL 60014 USA

+1 847 857 6076
+1 847 655 7428

Email: tektrol@tek-trol.com

www.tek-trol.com

2 SPECIFICATION

Operating temperature	-20 °C to 55 °C
Storage temperature	-40 °C to 85 °C
Humidity	0-95% Non-condensing
Materials	UL, CSA, VDE approved
Display	Type: 2 lines of 20 characters, Types: Backlit LCD, OLED and VFD ordering options Character Size: 0.35"(8.3mm) nominal user programmable label descriptors and units of measure
Keypad	Keypad Type: Membrane Keypad with 116 keys, Keypad Rating: Sealed to NEMA 4X / IP65
Enclosure	Materials: Aluminum, UL94V-0 Keypad, Enclosure Rating: NEMA 4X Provisions for sealing unit
Power input	Universal AC Power: 85 to 276 Vrms, 50/60 Hz DC Power Option: 24 VDC (16 to 48 VDC)
Accuracy	0.02% FS at 20 °C
Ranges	Voltage: 0-10 VDC, 0-5 VDC, 1-5 VDC Current: 4-20 mA, 0-20 mA, 4-20 mA stacked, 0-20 mA stacked
Basic measurement resolution	16 bit
Automatic fault detection	Signal over/under-range, Current Loop Broken
Update rate	4 updates/sec
Calibration	Operator assisted learn mode
Extended calibration	Learns Zero and Full Scale of each range
Real time clock	The Flow Computer is equipped with a non-volatile real time clock with display of time and date. Format: 24 hour format for time Day, Month, Year for date
Stored information (ROM)	Steam Tables (saturated & superheated), Fluid Properties: Water, Air, Natural Gas and Other Common Fluids or Generic
Excitation voltage	24 VDC @ 100 mA (fault protected)
Listing	CE Compliant, UL/CSA Pending
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.