



PRESSURE



Multivariable / Flow Computer

Tek-Bar 3800XP



1 FEATURES

- Custody Transfer Metering (CTM) compliant.
- Rugged and robust unit, can operate in many oil and gas applications, well testing etc.
- Easy field connectivity using proven Bluetooth™ technology.
- Pre-programmed functions to simplify automation and calibration.
- Enhanced safety in hazardous areas due to a special glass keypad interface.
- Designed to meet Class 1, Div 1 and Div 2 requirements.

3 APPLICATIONS

- Oil and Gas (Custody and Allocation Applications)
- Boiler Industries.
- Power Plant.
- Chemical Industries.
- Petrochemical Industries.

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

Alarm Log Storage	User configurable, defaulting to 200 alarm events
Audit Trails	User configurable, defaulting to 200 audit events
Certifications/Compliance	CSA/C-US Class I, Div 1, Groups B, C, D; ambient temperature range of -40°C to +85°C (-40°F to +185°F), temperature code T6 (-40°C to 75°C) T5 (-40°C to 85°C) EN 61326-1: 2013 (Industrial Criteria); FCC 47 CFR Part 15, Subpart B; ICES 003: 2016; Measurement Canada pending
Data Memory	2 MB Static Random-Access Memory (SRAM)
Description	3800 XP - Flow Computer / MVT for Gas and Liquids
Diagnostic	AGA 10 Speed of Sound (Comparison with GC SOS Prediction)
Differential Meters	(DP, Orifice) AGA 3/ANSI/API 2530-1992 Method 2; AGA 3/ANSI/API 2530-1985; ISO 5167 pt5; DP Cone meters; Averaging Pitot ; GOST: Venturi Meters - Steam Flow IF97
Display	128 x 65 backlit LCD display; User programmable scroll list and menus
Enclosure Rating	NEMA 4X/IP67
Energy	AGA 5; GPA 2172; ISO 6976
Ethylene Density Calculation	API 2565 (Ch 11.3.2.1); Ethylene NBS 1045
Input Power	10VDC to 30VDC
Keypad	4 IR sensors through glass key input. (hazardous area isolation method)
Linear Meters	(Turbine) AGA 7; AGA 9; AGA 11
Live Density Input	Sarasota liquid density meter, Solartron, UGC, 4-20mA & density meters.
Operating Humidity	0-95% RH, (non-condensing)
Operating Temperature Range	-40° to +185°F (-40° to +85°C)
Processor	32 Bit
Program Memory	4 MB of flash memory
Propylene Density Calculation	API Ch 11.3.3.2
Super Compressibility	(Fpv) AGA 8 Gross-1992; AGA 8 Detail-1992; AGA 8 Short-1988; NX-19; NX-19 Analysis; GERG (ISSN 0178-9414 -2004/8 - European Gas Research Group)
Turbine Meter Linearization	10 Point Frequency/K-factor Table
Volume Correction Factors	Consistent with API 2540/ASTM D1250-80/IP 200; 5/6 A/B; 23/24 A/B; 53/54 A/B; 6/24/54 C; CH 11.1 2004; Note: natural gas liquids (NGL) and liquefied petroleum gases (LPG): OLD 23/24, OLD 53/54; (Note: Table E is new standard to replace the Older version 23/24)