Explorer Plus

Electronic Volume Conversion Device

Description

Explorer Plus is the new EVCD by **Pietro Fiorentini SpA** designed to optimize installation and maintenance, it meets the most recent regulations and maintains compatibility with existing **Explorer** Family product and accessories.

Easy Installation: external sensors make installation easy and fast saving time and money.

Reduced Maintenance: longer battery life and battery replacement optimization make maintenance activities less frequent and shorter.

Backward compatibility with **Explorer FT**: save existing investments using same protocol and ancillary equipments of existing installations.

Long Life Investment: **MID (2004/22/CE)** approval makes it ideal for long term investment.

Ready to groove: large memory capability allow easy upgrade, also on installed device, in order to meet new regulations or new needs.
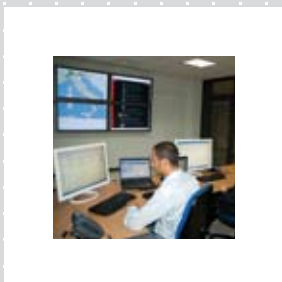
Designed On your Needs:

- High value for money
- Excellent MTBF
- Extended battery life
- Easy installation
- MID approved for custody transfer application
- Two Years Warranty

Explorer Plus

TECHNICAL SPECIFICATIONS Explorer Plus

Environmental	
Working Temperature	-25°C ~ +60°C
Interface	2 x 16 Display ~ 4 keys
Dimension	155 x 182 x 82 mm ~ IP65 (EN60529)
Mounting	Pole or Wall mounting in Hazardous area
Pressure (integrated - 3m cable)	
Ranges	0,6-3,5 0,9-10 5-24 10-40 20-100 BAR (ABSOLUTE)
Accuracy	±0,25% of measured value
Temperature (integrated PT1000 class A - 4 wires - 3m cable)	
Range	-20°C ~ +50°C
Accuracy	±0,15% of measured value
Volume Conversion Accuracy	
	±0,5% of reading or better
	(OIML R140 CLASS B - EN12405)
Digital Inputs/Outputs	
Counting	LF - 3Hz with 50ms minimum pulse width
Status	1 digital input for status monitoring
Digital Outputs	3 digital outputs for signal repetition
Communication	
Serial for ancillary equipment	Proprietary current loop for communication with ancillary equipments
Optical Port	ZVEI (IEC1107)
Serial RS232	RS232 on DB9F (optional)
Protocols	Modbus
	SNAM
	UNI-TS 11291
Power Supply	
Battery	Lithium 3,6V - 16Ah - size D
	battery life ≥ 7,5 years (EN12405)
External	20mA @ 5 ~ 6 VDC from ancillary device
Backup Battery	battery life ≥ 50 stand-by cycles
Formulas	
Volume at base conditions	AGA 7
Compressibility	AGA-NX 19mod
	ISO 12213-3: 1997 (SGERG91)
	AGA 8 gross 1 and gross 2
Logging	
Data Logging	1MB - up to 65535 records Period from 15 minutes up to 8 hours Average and Statistics strategies
Events and Alarms	10000 records
Approvals	
Atex	IMQ 08 ATEX 030
MID 2004/22/CE	CH-MI002-09001-00
Accessories	
GSM/GPRS battery modem for Hazardous area	NanoPico AX

Service

Gas meters

Metering systems

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