



Explorer Mini

Electronic Volume Conversion Device

Description

Explorer Mini 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, and the integrated modem allows the installation of a single device directly ATEX hazardous area.

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 firmware metrological upgrade, also on installed device, in order to meet new regulations or new needs.

Designed On your Needs



- **GPRS/GSM/SMS** integrated modem with automatic selection
- **Digital metering sensors**
- **Twin processor design**
- **Long battery life**
- **Designed for rough environment**
- **Easy maintenance**
- **UV exposure Protection**
- **Traditional SIM card or SIM on Chip**
- **Firmware security keys Managing**

Easy installation by dedicated brackets



Explorer MINI With bracket device



Wall mounted bracket device



Piping mounted bracket device



Installation in Hazardous area

IP65 protection, shielded electronics even during maintenance operations; Long lasting battery life

TECHNICAL SPECIFICATIONS
Explorer Mini

Environmental	
Working Temperature	-25°C ~ +70°C
User Interface	Display LCD and key
Dimension	Max 130(H) x 135(L) x 155 (P) mm
Mounting	Piping or Wall mounting in Hazardous area
Pressure (external - 1,5m cable)	
Ranges	1,5 bar (absolute)
Accuracy	±0,25% @ (reference conditions)
Temperature (PT1000 class A - 4 wires) external with 1,5m cable	
Ranges	-20°C ~ +60°C
Accuracy	±0,5°C
Digital Inputs/Outputs	
Counting	LF - 3Hz with 30ms minimum pulse width
Status	1
Digital Outputs	2 DIN 19234 (NAMUR)
Communication	
Built-in modem with antenna apparatus which can be removed-out.	Standard communication: GPRS-GSM-SMS
Optical Port for local communication	ZVEI (IEC1107)
Protocols for remote communication *	CTR (UNI-TS 11291)
Power Supply	
Battery	Lithium 3,6V - size D - single unit for EVCD section, double unit possibility for modem section battery life >10 years for EVCD section* battery life >5 years for modem section*
Backup Battery	2 hours without communications
Formulas	
Volume at base conditions	AGA 7
Compressibility	ISO 12213-3
Logging	
Events and Alarms	10.000 record
Certificazioni	
Atex	Ex ib IIG IIB T3, MID CH-MI002-11007
Option	
	user emitter device

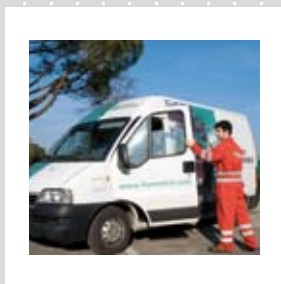
* The range is calculated with one daily communication, 80% -20% GPRS SMS, temperature range from -25°C to +25°C (20% at minimum)



Two Years Warranty



Rotary gas meters



Solutions for gas metering



Diaphragm gas meters



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The data are not binding. We reserve the right to make eventual changes without prior notice.

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