



Smart Meter Series

Ultrasonic Gas Meter

Milandr Residential Ultrasonic Smart Gas Meter

Utilizing ultrasonic technology, Milandr's residential ultrasonic natural gas meter measures the volume of natural and liquefied gas. The meter is designed with no internal moving parts and retains calibration with minimal maintenance costs. The low-inertia temperature sensor also provides accurate environmental temperature readings.

The meter's built-in LoRaWAN radio communications module provides near real-time data on gas flow conditions as well as anti-tamper and meter malfunction alerts, making it ideal for Smart City and Internet of Things applications.

The integrated, non-volatile memory logs daily, monthly and event data while the meter's liquid crystal display enables clear manual reading. The meter boasts a compact yet tough IP54 design, and can be easily integrated into existing infrastructure without expensive retrofits.

The meter is revenue-grade, and low power LoRa connectivity enables wireless integration with existing customer billing systems for accurate and timely submetering of apartments, condos, and retail facilities.

- **LoRa Communications provides near real-time data for:**
 - Reverse-flow
 - Excess flow
 - Below normal flow — leak detection
 - Gas/Air monitoring
 - Alarms based on pre-configured parameters
- **No moving parts ensures long working life**
- **Multi-year internal battery life**
- **Internal meter diagnostics and LoRaWAN network optimization tools**
- **Highly accurate ultrasonic gas measurement**
- **Increases savings with reduced installation and labor costs**
- **Tamper sensors ensure safety and accuracy**



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| Parameter | | Size | | | |
|--|---------------|-----------------------|--------|--------|--------|
| | | G-1.6 | G-2.5 | G-4 | G-6 |
| Minimum flow rate Qmin, ft ³ /hr | | 0.565 | .883 | 1.412 | 2.118 |
| Transient flow Qt, ft ³ /hr | | 10.59 | 14.12 | 21.19 | 35.31 |
| Maximum flow rate Qmax, ft ³ /hr | | 88.29 | 141.26 | 211.89 | 353.14 |
| Relative measurement error of volume, reduced to standard conditions of temperature, % | Qmin ≤ Q < Qt | ±3.0 | | | |
| | Qt ≤ Q ≤ Qmax | ±1.5 | | | |
| Maximum operating pressure, psi | | 7.25 | | | |
| Ambient temperature, °F | | -13° F... +167° F | | | |
| Gas temperature, °F | | -13° F... +131° F | | | |
| Pressure loss, psi | | .0145 | | .0362 | |
| Voltage of lithium battery, V | | 3.6 | | | |
| Overall dimensions (LxWxH), inches | | 7.59" x 3.34" x 3.22" | | | |
| Weight, lbs | | 1.98 | | | |
| Average service life, years | | >15 | | | |
| Threaded Adapters | | 1" (3/4") | | | |
| Ingress protection rating | | IP54 | | | |

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