G480
Ultrasonic Smart Gas Meter

Industry-leading solid state ultrasonic measurement with integrated communications

The G480 Ultrasonic Smart Gas Meter provides solid state ultrasonic measurement with integrated two-way cellular communications over Landis+Gyr's scalable, secure, and interoperable Gridstream® Connect IoT network. The G480, designed and built from the ground up by Landis+Gyr, is an all-in-one ultrasonic gas meter that delivers advanced smart technology solutions in a compact, flexible, and proven meter, based on 30 years of global leadership experience and installation of 10 million smart gas endpoints.

FEATURES:

- Solid-state meter with integrated communications
- State-of-the-art ultrasonic measurement technology
- No moving parts for higher accuracy
- Half the size and weight of diaphragm meters for ease of installation
- Maintains metering accuracy in any installation orientation

- Integrated shutoff valve with autonomous and remote actions for:
    - Tamper detection alarm
    - High flow alarm
    - Over/under pressure alarm
    - High temperature alarm

USE CASE BENEFITS:

Safety

- Remote service shutoff in dangerous gas supply conditions
    - Broken pipes at the premise due to flooding, hurricane/tornado, etc.
    - Shut off gas before a flood/storm event, if possible, or to avoid fire after the event

Financial Management

- Facilitate revenue collection by allowing virtual meter exchanges as customers move in and out of service locations
- Accurate monthly financial close and settlement based on actual measured gas delivery versus models
- Automated reads reduce Days Sales Outstanding (DSO) and improve cash flow

Customer Service

- Remote automated meter reads eliminate need to access customer property, improve billing accuracy

System Operations

- Eliminate need for truck rolls for meter reading, service shutoff
    - Reduce vehicle miles/carbon footprint, meter reader accidents/attacks
- Improve safety and avoid service outages through pressure monitoring—detect and act on over and under pressure situations
- Identify and reduce system losses due to theft and leaks
- Improve capacity planning—identify gas distribution system bottlenecks and take action

SAFETY   CUSTOMER SERVICE   SYSTEM OPERATIONS   FINANCIAL MANAGEMENT

Landis+Gyr
manage energy better

PRODUCT SPECIFICATIONS

Maximum Capacity/Flow Rate (Qmax)	250 CFH (7.1 m^3/Hr)
Minimum Flow Rate (Qmin)	1.4 CFH (0.04 m^3/Hr)
Accuracy	Class 1% across Qmax to Qmin
Maximum Operating Pressure (MAOP)	5 psig (35 kPa)
Pressure Drop/Differential (max)	<0.5" W.C. (<1.2mbar)
Gas Type	Second Family gases
Case Construction	Aluminum case with gray powder coat finish
Gas Connections on 6" centers	20 LT (for 1" nominal mating pipe) standard Optional adapters for: -10 LT (for ¾" nominal mating pipe) -30 LT (for 1¼" nominal mating pipe) -Sprague #1A (for 1" nominal mating pipe) -1¼" NPT (for 1¼" nominal mating pipe)
Measurement Technology	Time of Flight
Service Valve	Internal electrically operated
Display	2 line by 16 character dot matrix LCD
LCD Display Units	CCF (100 x cubic feet) or cubic meter
LCD Resolution	0.001 CCF (0.1 CF) or 0.001m3
Battery Type	Lithium Thionyl Chloride 3.6V D cell
Shock and Vibration (transit)	ANSI B109.1, BS EN 1359
Operation Temperature	-30°F to 140°F (-35°C to 60°C)
Valve Temperature	-13°F to 140°F (-25°C to 60°C)
Case Burst Pressure	75 PSI
Water Resistance	IP67
Humidity	95% non-condensing
RF Emissions	FCC Class B, BS EN 61000-6-3
Standards	ANSI B109.1, Draft ANSI B109.0, OIML R-137
Battery Life	20-year design life at recommended configuration
Weight & Dimensions	~6 lbs (2.7 kg) 9.2"W x 6.6"H x 4.75"D
Intrinsically Safe	Highest rating of UL Class I, Division 1

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For more information and nationwide warranty terms, visit us at LandisGyr.com or call at 888-390-5733.

LET'S BUILD A BRIGHTER FUTURE TOGETHER

Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.

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