Intelis FGBB03

Single Band Ultrasonic SMETS2 Smart Gas Meter

Itron's SMETS 2 solution comprises residential smart meters for electricity and gas measurement, serving the U.K. government's mandated smart meter rollout program. Drawing from a profound heritage in the region and renowned expertise in gas and electricity industries, Itron's SMETS2 solution blends the latest metrology with digital capabilities, supporting the shift to a cleaner and more flexible energy system in Great Britain.

LONG TERM ACCURACY AND SAFETY IN A COMPACT FORM FACTOR

Itron's SMETS2 Single Band Gas Meter leverages ultrasonic measurement principles of the Intelis platform in an eco-conscious compact form factor to deliver billing accuracy, advanced safety, and limited wear and tear for longerlasting equipment.

UNIQUE BALANCE OF TECHNOLOGY AND EXPERTISE

Integrating EDMI's SMETS2-compliant firmware, Itron's SMETS2 Gas meter builds on decades of expertise in the gas industry by bringing established and innovative features together such as an enhanced coarse gas filtering system and an industry leading PTP design for greater durability into a unique product for the U.K. market.

SIMPLIFIED INSTALLATION & FASTER SETUP

Itron's Intelis SMETS2 gas meters' auto-pairing and enhanced HAN performance enable expedited setup on-premises. In challenging radio environments, Itron's Intelis omnidirectional range feature can also help achieve a greater success rate for installation and upgrade procedures.
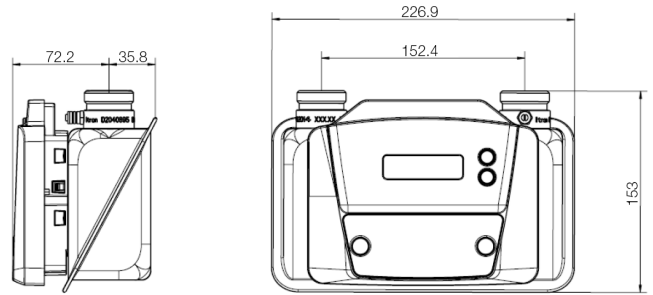
FEATURES

» HAN auto-pairing
» Industry leading PTP design
» Gas filtering Inletpipe
» 2.4 GHz frequency band.
» Fully compliant to latest SMETS2 industry specifications
» Omnidirectional radio patterns at 2.4 GHz
» Compact Size
» Metallurgy performance avoids paint & benefits environment
» Innovative dust protection

SPECIFICATIONS

Dimensions and specifications are detailed below.

Length	mm	226.9
Height	mm	151.2
Width	mm	106.9
Weight	kg	1.65

Technical Specifications

Accuracy class	MID Class 1.5 Directive 2014/32/EU, EN 14236:2018
Measurement Method	Single bounce speed of ultrasound time
Capacity	6 m³/hr
Market compliance	SMETS2 v4.2, GBCSv3.2 & CE 93/68/EEC - EU Declaration of Conformity
Product Life	Designed to last for at least 15 years under normal operating conditions
ATEX approval	Zone 2: II 3G Ex ic IIA T3 Gc
Gas Supply	Natural as H,L & E gas as per EN437
Max Pressure	100mbar
Mechanical Class	M1
Electromechanical Class	E2
High ambient temperature resistance	650ºC for 30 mins
Connector	1" BS 746 couplings 6" centres
Operating temperature	Operating Range: -10ºC to 40ºC Storage and transport range: -25ºC to 60ºC
Valve	<1 l/h leak rate
Ingress Protection	IP67
Battery	Main Cell: D-Type Lithium Field replaceable with super-capacitor backup to prevent loss of functionality
Liquid Crystal Display	Large 16×2 character display Display digit size: 5.3mm × 3.3mm Readable from left/right/top and bottom angles Backlight for low light conditions.
Security	Commercial Product Assurance (CPA) v1.3 for Gas Smart Metering Equipment Security aspect of Measuring Instrument Directive (MID & WELMEC)
Tamper detection	Electronic tamper detection for battery and meter cover Meter & battery cover has metrological tamper evident seals
Communications	2.4GHz (ISM band) Home Area Network (HAN)
Local communication port	Local CPA approved interface for calibration, configuration or triage
Directives	2014/32/EU (MID), 2014/34/EU (ATEX), 2014/53/EU (RED), 2011/65/EU (RoHS) & 2015/863

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