

RS / 2001 LA

The **RS / 2001 LA** mechanical gas meter from Pietro Fiorentini is designed to the highest standards of precision and reliability. The diaphragm measuring unit determines the measuring accuracy and is subjected to various stringent quality control procedures throughout the entire production process. The outer casing is manufactured from deep-drawn, pre-galvanised sheet steel. This device, suitable for use with natural and manufactured gas, LPG or other non-corrosive and pre-filtered gases, is recommended for low pressure gas distribution networks.



Residential users

Features	Values
Maximum flow rate	<ul style="list-style-type: none"> • G1,6 2.5 m³/h 88 cfh • G2,5 4 m³/h 141 cfh • G4 6 m³/h 211 cfh
Minimum flow rate	<ul style="list-style-type: none"> • G1,6 0.016 m³/h 0.56 cfh • G2,5 0.025 m³/h 0.88 cfh • G4 0.04 m³/h 1.41 cfh
Maximum Operating Pressure*	50 kPa 500 mbar
Cyclic volume	1.2 dm ³ 0.04 ft ³
Ambient temperature*	from -25 °C to 55 °C from -13 °F to 131 °F
Gas temperature range*	from -25 °C to 55 °C from -13 °F to 131 °F
Options	LF pulse emitter ready
Accuracy class	1.5
Measuring Gas	Natural gas (1 st family, 2 nd family - group H, L and E - and 3 rd family according to EN 437)
Environment classes	M2/E2
Suitable for use in an open environment	H3
Resistance to high ambient temperatures	T
Nominal dimensions	<ul style="list-style-type: none"> • Double connection version (LA) Connection distance – 110 mm Width 190 mm; Height 210 mm; Depth 162 mm • Monopipe (LA) Width 190 mm; Height 223 mm; Depth 162 mm
Connections	<ul style="list-style-type: none"> • Double connection version (LA) 3/4", 7/8", 1", 1" 1/4 ISO 228 (other sizes upon request) • Monopipe (LA) 2" ISO 228

(*) REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are fulfilled. Standard product may have a narrower range.

Table 1 Features

Materials and Approvals

Part	Material
Casing	Deep-drawn pre-galvanised sheet metal
Diaphragm	Synthetic

REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

RS / 2001 LA is designed to meet OIML R137 and EN 1359.
The product is certified according to European Directives 2014/32/EU (MID).



OIML R137



EN 1359



MID

RS / 2001 LA compatibility with Green Gas



Biomethane compatible and 20% Hydrogen blending compatible.
Higher blending available on request.

Pressure loss curve

