

## SGB-1.8/SGB-3.2/SGB-4.0

Compact Residential Gas Meter  
Jet Oscillator Technology

### Application

Liquid Petroleum Gas (LPG) & Natural Gas

### Features

- Advanced Functionality – 12 months data storage
- Compact & Light Weight – 250 grams
- LCD with Backlight
- Estimated Battery Life – 12+ years
- Calibration Interval – 12 years
- Housing – Aluminium
- Overlay Cover – ABS plastic – 11 colours
- Thermal Correction - Optional
- Communication – Bluetooth Low Energy (BLE)
- Rating – IP50



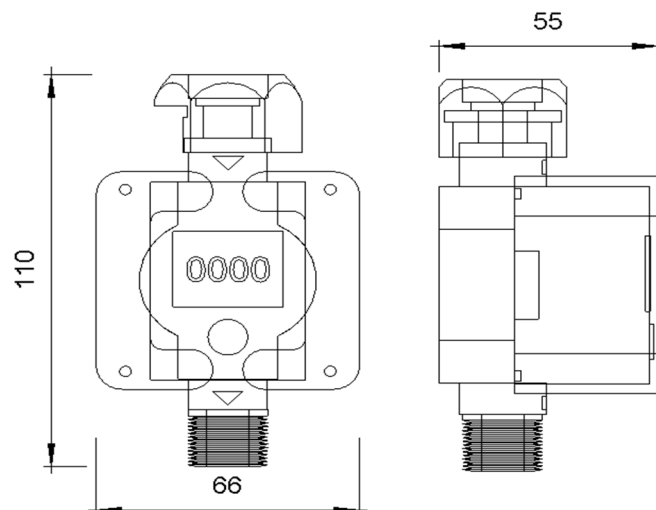
### Description

The compact Elephant SGB residential gas meters are designed by Russian aviation radio engineers and patented with jet oscillator technology for measuring gas flow. The principle of operation is based on converting the volume of gas that has passed through the meter into a proportional number of electrical impulses using a jet oscillator, followed by counting on an electronic unit for measuring the volume of gas. Elephant Meters are approved according to GOST 20448-90 (LPG) and GOST 5542-87 (Natural Gas) by Russian Federal Agency for Technical Regulation and Metrology (Rosstandart).

### Technical Index

Parameter	Unit	Model		
		1.8	3.2	4.0
Minimum Flow Rate (Qmin)	m <sup>3</sup> /h	0.03	0.06	0.08
Maximum Flow Rate (Qmax)	m <sup>3</sup> /h	1.8	3.2	4.0
Pressure Loss at Qmax	Pa	≤200		
Maximum Working Pressure	kPa	5		
Relative error range	Qmin to 0.2 Qmax	± 2,5		
	0.2 Qmax to Qmax	± 1,5		
Operating Temperature	°C	-10 to +50		
Relative humidity of Air (temp. not higher than 25 °C)	%	30 to 80		
Atmospheric pressure	kPa	84 to 106.7 (from 630 to 800 mm Hg)		
Power supply from the built-in power supply	V	3.6		
Mass of the meter	Kg	0.3		
The lowest price for dividing the counting device of counters	m <sup>3</sup>	0.001		
Maximum Cumulative Reading	m <sup>3</sup>	99999.999		
Outlet Connection Size	Inch	G 1/2"		
Inlet Connection Size	Inch	Bayonet Nut G 1/2" or G 3/4"		

## Dimensions



## Colour Pads



## Order Codes

Part Number	Description	Inlet Bayonet Nut
60039-E-101	SGB-1.8	G $\frac{1}{2}$ "
60039-E-102	SGB-3.2	G $\frac{1}{2}$ "
60039-E-103	SGB-4.0	G $\frac{3}{4}$ "
60039-E-104	SGB-1.8-TC	G $\frac{1}{2}$ "
60039-E-105	SGB-3.2-TC	G $\frac{1}{2}$ "
60039-E-106	SGB-4.0-TC	G $\frac{3}{4}$ "