

# Gas Meter

## G series G1.6 ~ G16

### with RS485 Modbus RTU



### Overview

EDM meter supply Modbus Gas meter is a widely applicable to the measurement of natural gas, artificial gas, liquefied petroleum gas, etc.

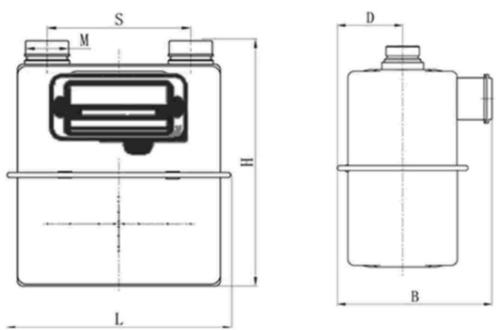
The meter support RS485 Modbus protocol, combined with the meter reading system to establish a remote automatic meter reading management system to truly realize meter reading automation.

The full line RS485 remote transmission gas meter produced by our company has a 485 communication bus interface, which can not only cooperate with the system master station or dedicated PLC equipment to read gas meter data, but also be used separately as a common mechanical gas meter.

### Features

- The register displays the total gas consumption
- Protect against strong magnetic, tamper and disassembling
- Easy installation and construction
- Apply to Natural Gas, Biogas, LPG and all non corrosive gas for industrial use
- Body case made through die-casting of high-quality steel
- The outer casing is made of high-quality cold-rolled steel plate, which has excellent shell top coat performance, strong adhesion, and good resistance to deformation and corrosion
- Connected with the host computer, it has been equipped with remote automatic meter management system to achieve fully automatic meter reading.

### Dimensions



Model	M(mm)	Size Connector	L(mm)	B(mm)	D(mm)	H(mm)	S(mm)	Weight (kg)
G1.6	M30*2	DN15 DN20	195	166	65	225	130	2.05
G2.5	M30*2	DN15 DN20	195	166	65	225	130	2.05
G4	M30*2	DN15 DN20	195	166	65	225	130	2.05

### Wiring



RS485 Output:

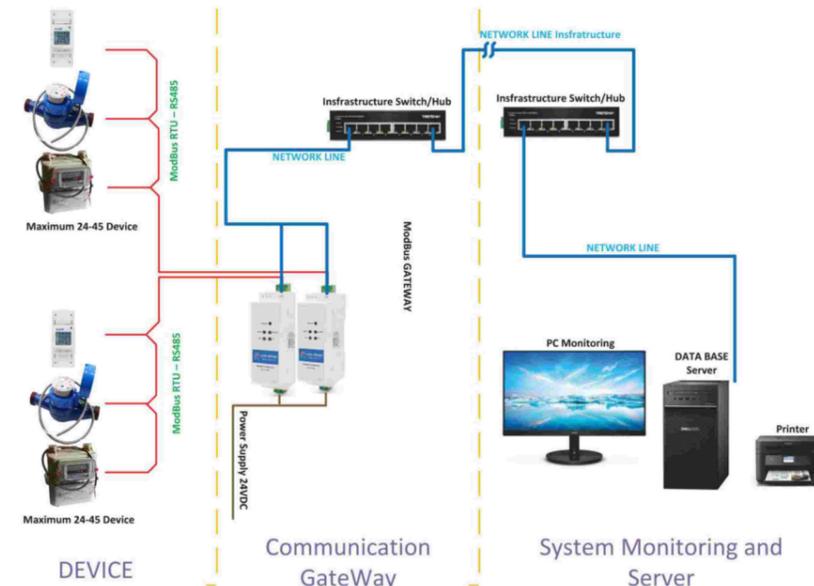
Red	Black	Green	Blue
12VDC+	12VDC-	485A	485B

Model	M(mm)	Size Connector	L(mm)	B(mm)	D(mm)	H(mm)	S(mm)	Weight (kg)
G6	M42*2	DN25	250	192	78	262	160	3.8
G10	M64*2	DN40	285	217	92	335	180	5.3
G16	M64*2	DN40	333	245	106	375	220	8.6

### Parameters

The Technical parameters	Unit	G1.6	G2.5	G4	G6	G10	G16
Minimum flow	m <sup>3</sup> /h	0.016	0.025	0.04	0.06	0.1	0.16
Initial flow	dm <sup>3</sup>	≤3	≤5	≤5	≤8	≤12	≤12
Maximum flow	m <sup>3</sup> /h	2.5	4	6	10	16	25
Cyclotron volume (Vc)	dm <sup>3</sup>	1.2		2.6		5	8
Max. Recording reading	m <sup>3</sup>	99999.999				99999.99	
Accuracy Level		1.5					
Maximum allowable error	%	(0.1q <sub>max</sub> ≤ q ≤ q <sub>max</sub> ) ± 1.5 (q <sub>min</sub> ≤ q ≤ 0.1q <sub>max</sub> ) ± 3					
Maximum working pressure	kPa	≤ 75					
Total Pressure absorption	Pa	≤ 200				≤ 300	
Working Temperature	°C	-10° ~ + 55°					
Storage Temperature	°C	-20° ~ + 60°					
Explosion-proof grade	\	Exib II B T3 Gb					
Level of protection	\	IP65					
Communication	\	RS485 - Modbus RTU					

### Topology



TECHNICAL DATA altered can be change without prior notice.  
Perubahan DATA TEKNIS dapat dilakukan tanpa pemberitahuan.

a Better Way