



## ***SGM-101F - Transit time ultrasonic flowmeter***

0062

## ***Servicies***

### **After sale servicies**

Ordinary and extraordinary maintenance, installation, staff training, spare parts, calibration and calibration for measuring instruments.



## Product description

The SGM-101F flowmeters operate on the ultrasonic pulses transit time difference principle. The great advantage is the mechanical installation, because it is not necessary to cut the pipe.

The sensors are simply clamped on the outer pipe surface, for this reason the pressure and the liquid aggressiveness to be measured are not a problem for the flowmeter. The system measures in a bidirectional way and is suitable for clean or slightly dirty liquids.

### Types of transducers

The model on sale can be paired with transducers for pipes from DN20 to DN4000 depending on the model selected. The transducers also include the fixing straps to the pipe and the 5m connection cables..

### Features

For conductive and non-conductive liquids

Measure range from 400000 m<sup>3</sup>/h

Rande from DN20 to DN4000

MODBUS protocol (opt.)

Typical measurement accuracy  $\pm 1\%$

Power supply 230Vac or 10÷30Vdc. On request available 24 or 115V

4÷20mA, pulse and alarm output

IP68 sensors also for high temperatures

Datalogger on SD on request

Heat meter



Comastri Distribution  
Prodotti e soluzioni per l'industria S.r.l

16/04/2024

ComastriDistribution

Phone: +390513510702

Mail: info@comastridistribution.com



Go to product

## General Features

<b>Dimensions</b>	H:200 mm L:120 mm P:77 mm	<b>Weight</b>	1 kg
<b>Range</b>	±12m/s	<b>Accuracy</b>	±1%
<b>Temperature</b>	From -30°C to +60°C	<b>Classificazione IP</b>	Transmitter: IP66. Transducer: IP68
<b>Humidity</b>	on condensing 85% RH (40°C)	<b>Output</b>	Sel. 4÷20mA or 0÷20mA
<b>Output</b>	Relay output: n.1 for pulse totalizer or alarm	<b>Repeatability</b>	±0,2÷0,5%
<b>Display</b>	Istantaneous flowrate, flow totalizer	<b>Display</b>	Istantaneous flowrate, flow totalizer

## Models and prices

Model ref.	Outputs	Transducers	Power supply	Price VAT escl.
SGM-101FWAA0--NA	4÷20mA + 1 open collector + 1 relè	None	230 Vac	1,605.69 €
SGM-101FWAA0-4A	MODBUS + 4÷20mA + 1 relè	None	230 Vac	1,649.94 €
SGM-101FWATL-14A	MODBUS + 4÷20mA + 1 relè	TL-1: for pipes from DN300 to DN4000 (-40÷90°C)	230 Vac	1,912.86 €
SGM-101FWATL-1NA	4÷20mA + 1 open collector + 1 relè	TL-1: for pipes from DN300 to DN4000 (-40÷90°C)	230 Vac	1,868.60 €
SGM-101FWATL1H4A	MODBUS + 4÷20mA + 1 relè	TL-1H: for pipes from DN3050 to DN4000 high temperature (-40÷ 160°C)	230 Vac	2,000.07 €
SGM-101FWATL1HNA	4÷20mA + 1 open collector + 1 relè	TL-1H: for pipes from DN3050 to DN4000 high temperature (-40÷ 160°C)	230 Vac	1,955.81 €
SGM-101FWATM-14A	MODBUS + 4÷20mA + 1 relè	TM-1: for pipes from DN50 to DN700 (-40÷90°C)	230 Vac	1,839.11 €
SGM-101FWATM-1NA	4÷20mA + 1 open collector + 1 relè	TM-1: for pipes from DN50 to DN700 (-40÷90°C)	230 Vac	1,794.87 €
SGM-101FWATM1H4A	MODBUS + 4÷20mA + 1 relè	TM-1H: for pipes from DN50 to DN700 high temperature (-40÷ 160°C)	230 Vac	1,987.88 €
SGM-101FWATM1HNA	4÷20mA + 1 open collector + 1 relè	TM-1H: for pipes from DN50 to DN700 high temperature (-40÷ 160°C)	230 Vac	1,943.64 €
SGM-101FWATS-24A	MODBUS + 4÷20mA + 1 relè	TS-2: for pipes from DN20 to DN100 (-40÷90°C)	230 Vac	1,812.82 €
SGM-101FWATS-2NA	4÷20mA + 1 open collector + 1 relè	TS-2: for pipes from DN20 to DN100 (-40÷90°C)	230 Vac	1,768.57 €
SGM-101FWATS2H4A	MODBUS + 4÷20mA + 1 relè	TS-2H: for pipes from DN20 to DN100 high temperature (-40÷ 160°C)	230 Vac	1,987.88 €
SGM-101FWATS2HNA	4÷20mA + 1 open collector + 1 relè	TS-2H: for pipes from DN20 to DN100 high temperature (-40÷ 160°C)	230 Vac	1,943.64 €

The prices could be not always up to date and they don't take into account any promotional sale on the e-commerce.



SGM-101FWDA0--NA



4÷20mA + 1 open collector + 1  
relè

## ComastriDistribution

Phone: +390513510702

Mail: [info@comastridistribution.com](mailto:info@comastridistribution.com)



[Go to product](#)

None



10 - 30 Vdc







SGM-101FWDA0-4A



MODBUS + 4÷20mA + 1 relè



None

## ComastriDistribution

Phone: +390513510702

Mail: [info@comastridistribution.com](mailto:info@comastridistribution.com)



[Go to product](#)

10 - 30 Vdc





SGM-101FWDTL-14A



MODBUS + 4÷20mA + 1 relè



TL-1: for pipes from DN300 to  
DN4000 (-40÷90°C)





10 - 30 Vdc





SGM-101FWDTL-1NA



4÷20mA + 1 open collector + 1  
relè



TL-1: for pipes from DN300 to  
DN4000 (-40÷90°C)



10 - 30 Vdc





SGM-101FWDTM-14A





MODBUS + 4÷20mA + 1 relè

## ComastriDistribution

Phone: +390513510702

Mail: [info@comastridistribution.com](mailto:info@comastridistribution.com)



[Go to product](#)

TM-1: for pipes from DN50 to  
DN700 (-40÷90°C)



10 - 30 Vdc





SGM-101FWDTM-1NA



4÷20mA + 1 open collector + 1  
relè



TM-1: for pipes from DN50 to  
DN700 (-40÷90°C)



10 - 30 Vdc







SGM-101FWDTS-24A



MODBUS + 4÷20mA + 1 relè



TS-2: for pipes from DN20 to  
DN100 (-40÷90°C)



10 - 30 Vdc





SGM-101FWDTS-2NA



4÷20mA + 1 open collector + 1  
relè





TS-2: for pipes from DN20 to  
DN100 (-40÷90°C)

## ComastriDistribution

Phone: +390513510702

Mail: [info@comastridistribution.com](mailto:info@comastridistribution.com)



[Go to product](#)

10 - 30 Vdc

