

# USM-100M

825B109H

## Ultrasonic flowmeter clamp on

### Features

Piping :	15mm-600 mm
Protection Class Transmitter :	IP54 (Option Box IP65)
Protection Class Transducer :	IP68
Cable :	30 M (Max.)
Display :	2x20 digit alphanumeric backlighted
Keypad :	4 Button Friendly
displayed Data :	instantaneous flowrate , flow totalizer
Housing :	Plastic (ABS)
Mounting :	Din-Rail Mount
Output :	Sel. 4-20 mA. or 0-20 mA.
Total Accuracy :	$\pm 1.5\%$
Repeatability :	$\pm 0.2 - 0.5 \%$
Linearity :	$\pm 0.5 \%$
Basic Measurement period :	500 ms
Serial Port :	RS485 , RS232
Communication Protocol :	MODBUS RTU or ASCII + (OPT.)
Programmable Frequency Output :	12-9999 HZ
Measurement Liquid Temperature :	0-70°C
Relay Output :	For pulse totalizer or alarm
Flow Range :	0.5 - 20 m/s
Working Temperature :	(-30)- 80°C
Power Supply :	220 Vac / 24 Vdc
Dimensions :	251x192x80 mm
Weight :	3.1 Kg.



### General

The USM-100M is composed by a digital converter and two clamp-on or insertion type ultrasonic transducers. It is designed to measure the fluid velocity of a liquid inside a closed conduit. The transducers are a non-contacting, clamp-on type, which provide benefits of non-fouling operation and easy installation. The DSP digital technology (Digital Signal Processing) ensure a low sensibility of the instrument against potential transient factors.



WINLING TECHNOLOGY LTD.

9F.-8, No.16, Ln.609, Sec.5, Chongxin Rd.,  
San-chong City, New Taipei City 24159, Taiwan