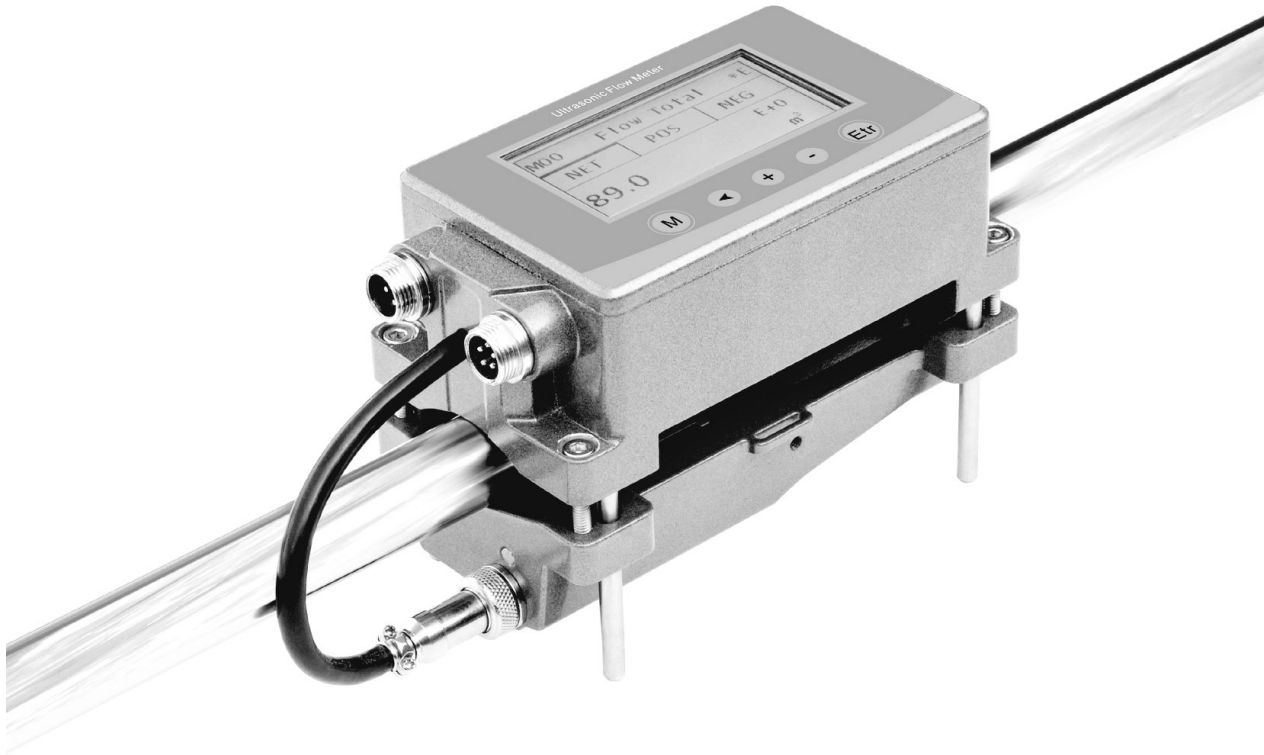


HYDRAFLOW COMPACT

KIMANS Inc.

ULTRASONIC CLAMP-ON FLOW / BTU METER



HYDRAFLOW Compact ultrasonic clamp-on flow / BTU meter offers an economical and easy way of measuring the flow or energy of a liquid flowing in a closed pipe.

It offers easiest installation without the need of any mechanical modifications thus its the go-to measurement device for any retrofit applications.

The robust design combined with the transit time flow measurement technology makes this an accurate measurement device for any residential or commercial applications.

FEATURES

- IP65 sensors
- 4-20mA, RS485 MODBUS
- $\pm 1\%$ accuracy

HYDRAFLOW COMPACT

ULTRASONIC CLAMP-ON FLOW / BTU METER

TECHNICAL DATA

HYDRAFLOW COMPACT		
Pipe size	mm	DN15 to DN40
Pipe material	-	Metal /PVC, PP or PVDF rigid plastic pipe
Liquid type	-	Water/other liquid (Single liquid medium without solid particles or impurities)
Temperature range		0-75 ⁰ C (No freezing on the surface)
Low velocity cut off value	m/s	0.1
Display	-	256*128, LCD
Response time	s	0.5
Accuracy	%	±1
Memory backup	-	EEPROM
Power and I/O connection	-	M12 type connector
Output	mA	4 to 20
Communication	-	Modbus RS485
Optional output	-	Pulse
Power supply	V	10 to 24 DC
Electric power	W	< 3
Protective circuit	-	Power reverse connection protection, power surge protection, output short circuit protection, output surge protection
Enclosure protection class	-	IP65
Environment temperature	-	-10°C to 60°C
Relative humidity	%	35 to 85 RH

HYDRAFLOW COMPACT

ULTRASONIC CLAMP-ON FLOW / BTU METER

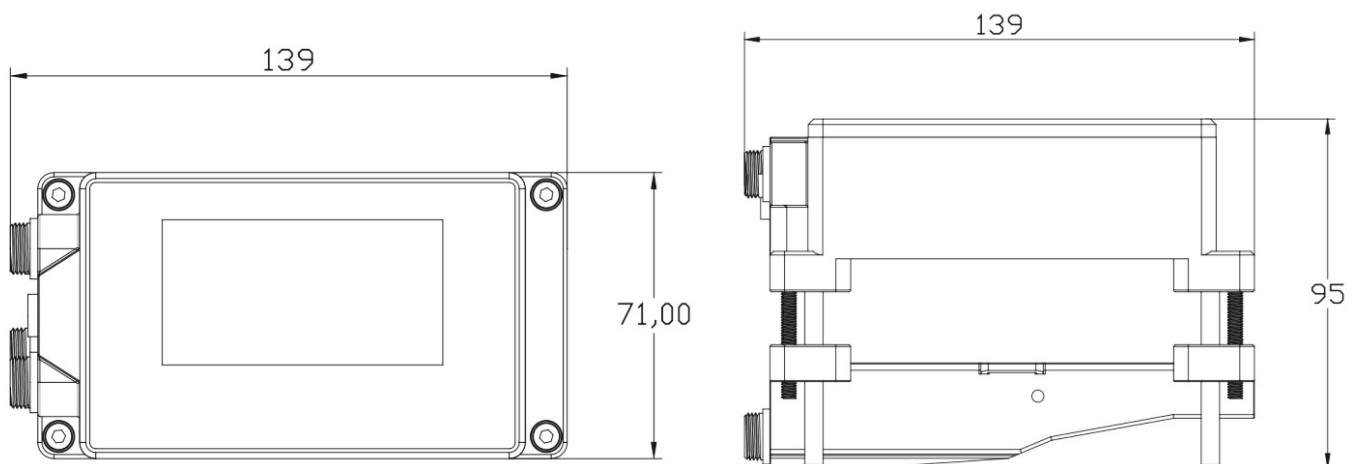
Vibration resistance	-	10 to 55Hz double amplitude 1.5 mm, 2 hours in each XYZ axis
Impact resistant	-	100 m/s 16 ms pulse, 1000 times each for X, Y and Z axis
Main material	-	Aluminum, industrial plastics
Cable length	-	2m (standard), PT1000 sensor standard cable length up to 9m

FLOW RANGE

Pipe Size (DN)	Upper flow value (l/min)
15	60
20	100
25	200
32	300
40	400

Note: The minimum measurable pipe size is the inner diameter $\geq 12\text{mm}$

DIMENSIONS



Note: All dimensions are in mm

HYDRAFLOW COMPACT

ULTRASONIC CLAMP-ON FLOW / BTU METER

METER OVERVIEW

