

ULTRASONIC CLAMP-ON FLOW METER

AI.C-SONIC



RS
485
RS485

OCT Pulse & Relay

4~20mA

DESCRIPTION

The A.I.C-Sonic transit time flow meter is the ideal solution for flow measurement with transit time technology for small pipes. The instrument, of compact and very small dimensions, is suitable for measuring water exclusively as a fluid: sea water, drinking water, demineralised water and the like.

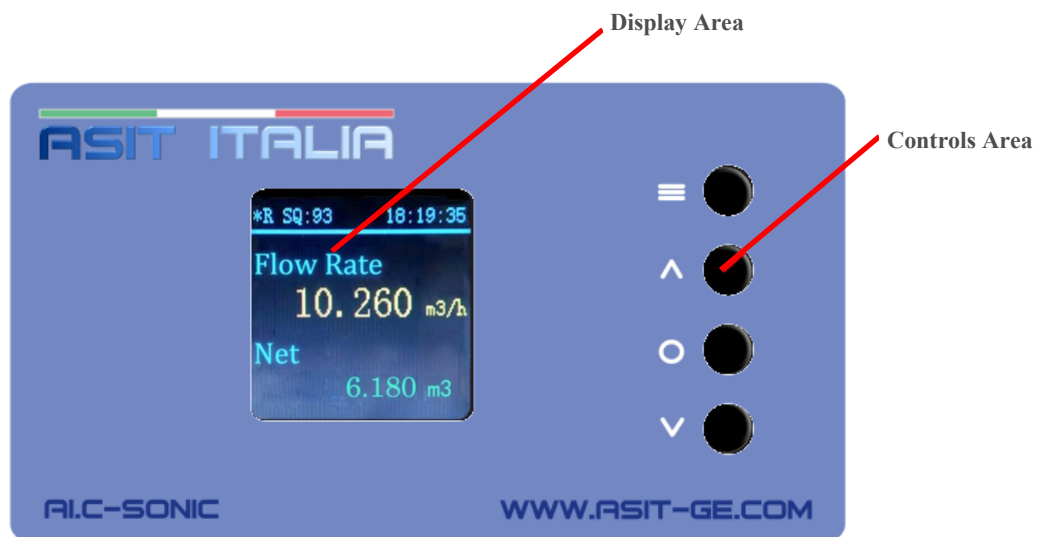
MAIN FEATURES

- Suitable for mounting on pipes from min DN20 to max DN80
- Piping materials: Carbon steel, Stainless steel, PVC, Copper, Cu-Ni
- Mounting type: clamp-on on the tube
- Compact clamp-on transmitters with the instrument
- Color LCD screen display, rotatable in 4 directions

TECHNICAL SPECIFICATIONS

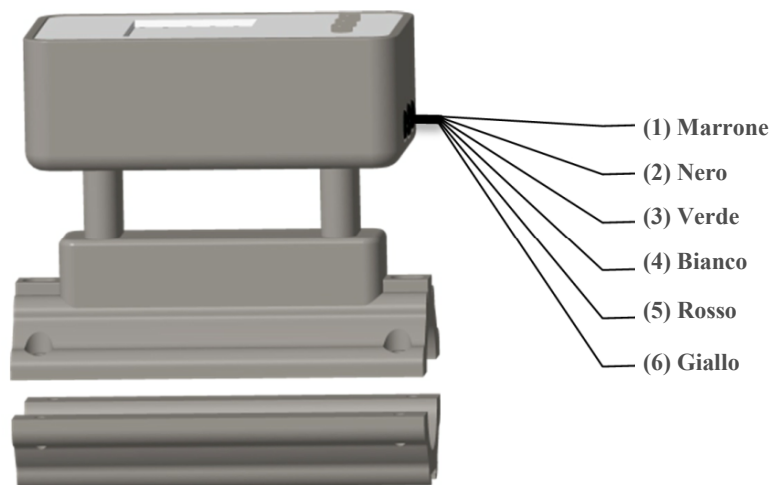
- Power supply: 10-36VDC/500mA
- Display protection: IP54
- Available outputs: RS485+4-20mA, RS485+pulse output, RS485+Reley, Pulse output+Reley
- Ambient temperature: -10+50°C
- Fluid temperature: 0-60°C
- Direct cable and signal output length: 2m
- Accuracy: $\pm 2\%$
- Repeatability: 0.2%
- Range: 0.03-5 m/s
- Display. 1.44" color LCD
- Resolution: 128*128

DISPLAY AND CONTROLS

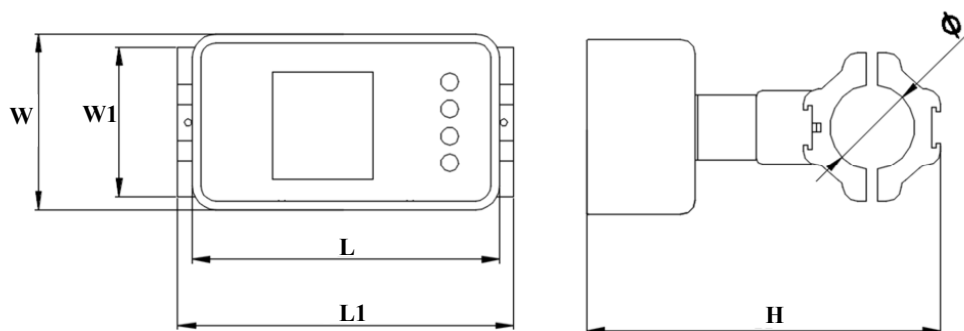


ELECTRICAL CONNECTION DIAGRAM

Function	Identifier	Color
Power Supply (10~36VDC)	+	Brown
	-	Black
RS485	A	Green
	B	White
Optional 4-20mA / OCT & Relay	+	Red
	-	Yellow

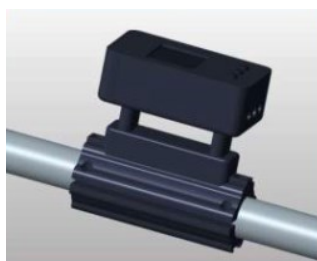
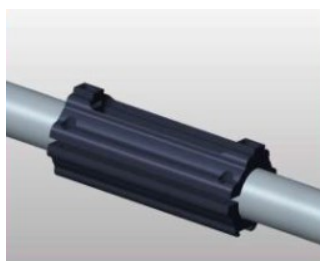
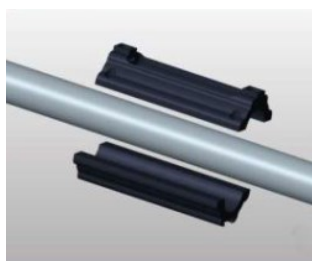


DIMENSIONS (mm)



Model	Nominal Bore Diameter	W	W1	L	L1	H	Ø
ALC-SONIC	DN20	60	51	105	118	121	29
	DN25	60	56	105	118	128	36
	DN32	60	63	105	118	135	43
	DN40	60	74	105	118	146	54
	DN50	60	89	105	153	159	67
	DN65	60	102	105	153	172	80
	DN80	60	113	105	153	183	91

INSTALLATION



ORDER CODE

AI.C-SONIC	ULTRASONIC CLAMP-ON FLOW METER
	OUTPUT
	DA: Modbus RS485 + 4-20 mA
	DI: Modbus RS485 + Pulse Output
	DR: Modbus RS485 + relay
	IR: Pulse Output + relay
	MATERIAL PIPE
	1: Carbon Steel
	2: Inox Steel
	3: PVC
	4: Copper
	5: Cu-Ni
	DN INT. (External dimensions in mm)
	Carbon Steel, Inox Steel, PVC
	1: DN20(21-29) 2: DN25(28-36) 3: DN32(35-43) 4: DN40(46-54) 5: DN50(59-67) 6: DN65(72-80) 7: DN80(83-91)
	Copper, Cu-Ni
	1: DN20(21-29) 2: DN25(21-29) 3: DN32(28-36) 4: DN40(35-43) 5: DN50(46-54) 6: DN65(59-67) 7: DN80(72-80)
	CABLE LENGHT
	2: Standard 2mt
	X: ...

Ordering code example:

AI.C-SONIC	DA	5	2	2
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EXAMPLE:

AI.C-SONIC Ultrasonic Clamp-On Flow Meter

DA: Output Modbus RS485 + 4-20 mA

5: Material Pipe Cu-Ni

2: internal diameter DN25, external dimensions from 21 to 29 mm

2: Cable lenght standard 2 mt



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