

# CE3 Non-intrusive ultrasonic flowmeter



**PRISMA**  
Instruments



**Non-intrusive solution**  
*Placed around the pipe*

CE



Bluetooth™



ISO  
17025

## AVANTAGES

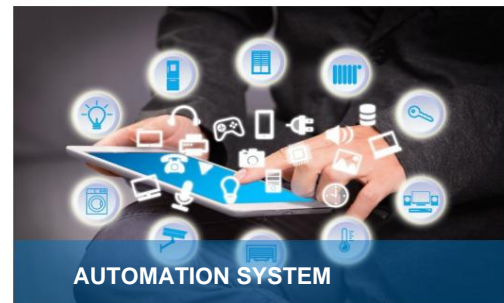
- Volumetric water metering
- Optional energy metering • Excellent price-performance ratio • Quick and non-intrusive installation
- Accuracy:  $\pm 1$  to 2%
- Communication: Modbus RTU, 4-20 mA, Wifi, or Bluetooth • Pipes: PVC, carbon steel, stainless steel, copper
- Dimensions: DN15 to DN80



## DESCRIPTION

Prisma Instruments' **CE3** ultrasonic flowmeter has been specially designed to meet the recurring needs for non-intrusive measurements of water volume or flow. It accurately measures the consumption of cold or hot water in a closed circuit. As an option, it can also act as an energy meter by equipping it with non-intrusive PT1000 probes. It works on pipes ranging from DN15 to DN80 and installs in seconds by screwing it around the pipe, without the need to stop the flow or drain the circuit. Due to its compact size, the CE3 meter can be easily installed in a restricted space, or on several pipes when they are very close to each other. In addition, it also has rich network functions, such as Modbus RTU, Wi-Fi, and Bluetooth, so it can be easily connected to a BMS. It can also realize iCloud scan storage and management functions. Its very sleek design and its many features including data collection allow it to respond to different working conditions.

## APPLICATIONS



## SPECIFICATIONS

Main Features	
Precision	±1 to 2.0%
Fluid	Cold water / Hot water
Measurable speed range	0.03~±5m/s
Communications	RS-485 Modbus, 4-20 mA, TTL, WIFI or Bluetooth (your choice)
Display	OLED screen
Driving size	DN15 to DN80
Driving material	PVC, carbon steel, stainless steel, copper
Feed	10~36 VDC @500mAMax (2 meters of cable as standard)
Temperatures	Transmitter: -10 ~ 50°C Transducer: 0~60°C
CC3 X2 energy meter option PT1000 probes: 0 ~ 100°C (non-intrusive)	
Humidity	Up to 99% RH non-condensing
Material	ABS
Protection	IP55

Dimensions & weight						
Model	Ø mm	L mm	W mm	H mm	Nominal flow m <sup>3</sup> /h	Weight Kgs
DN20	25~27	140	60	126	0.05~5	0.68
	27~29	140	60	127		
DN25	31.5~33.5	140	60	129	0.07~7	0.71
	33.5~35.5	140	60	127		
DN32	38.5~40.5	140	60	132	0.12~12	0.82
	40.5~42.5	140	60	133		
DN40	48~50	140	60	143	0.2~20	0.96
	52~54	140	60	145		
DN50	59.5~61.5	140	60	154	0.6~5	1.1
	61.5~63.5	140	60	154		
DN65	65~67	140	60	162	0.05~5	1.6
	71.5~73.5	140	60	166		
	74.5~76.5	140	60	167		
DN80	77.5~79.5	140	60	174	0.05~5	2.0
	88.5~90.5	140	60	185		

