

SPECIFICATION OF ULTRASONIC FLOWMETER FOR SLURRY APPLICATION

1	Type	:	Portable Clamp on Ultrasonic flowmeter
2	Application	:	Flow measurement of slurry (Slurry density: 1.3 to 1.5 Kg/ltr)
3	Measuring principle	:	Doppler principle
4	No. of Channel	:	1 (One)
5	Sensor	:	Doppler transducer with Chain kit
6	Sensor Cable	:	1 pair Sensor cable, PVC Jacket, Suitable connector to fit with transducer, Cable length : 15 meters
7	Flow measurement	:	Bi directional
8	Measuring Velocity Range	:	$\pm 12\text{m/s}$
9	Process Pipe size	:	30 to 200mm dia
10	Process Temperature	:	5 to 55 deg. C
11	Pipeline Type	:	Flow meter should work on pipelines of following Metallurgy: Cast Iron (CI), Mild steel (MS), Mild steel Rubber lined (MSRL, Lining thickness 3 mm), Stainless Steel (SS) Pipe Rating: IS1239 PART-1
12	Accuracy	:	0.5 % to 2 % of flow, (velocities greater than 0.3 m/s)
13	Output	:	2 X 4 to 20mA Output
14	Display	:	Backlit LCD display
15	Programming	:	Through integrated keyboard
16	Data-logging	:	Suitable memory space shall be provided to store Site and data logger storage for 10 sites
17	Enclosure	:	Rugged Plastic enclosure
18	Power	:	through integrated rechargeable batteries (To be supplied with battery charger)
19	Make	:	Siemens, E&H, Yokogawa, Emerson, ABB