

FLOW

Budget Priced Handheld Ultrasonic Transit Time Flow Meter



Description

The Noncontact Meters™ model NCM-603 Handheld Portable Clamp-on Ultrasonic Transit Time Flow Meter is ideal for monitoring full pipe, clean liquid applications. Easy installation on both metal and plastic pipe materials and has no moving parts.

The magnetic handheld Clamp-on Ultrasonic Transit-Time transducer installs in seconds on most pipe materials. The magnetic transducers are ideal for ferrous metal pipes, and it includes a strap on mounting kit for non-ferrous and plastic pipes. The NCM-603 is recommended for full-pipe, clean liquids applications: Typical Examples are water, well water, irrigation water, chilled water, city water, cooling tower water, deionized water, sea water and acids. This flow meter makes a great technician's maintenance tool, Spot checks & flow surveys.

Part Number	Description	Price
NCM-603	Kit Includes: Ultrasonic Portable Flow meter, Carrying case, Charger / Power Cord, NCMTT-M1: Pair of transducers for pipe sizes 2" to 28". Transducer Mtg kit. Signal Cables, F-100-100: couplant, Calibration Certificate and operation manual.	
	Spare – Parts	
NCMTT-M1	Replacement Transducers	
NCMTT-Strap	Pair of Mounting straps	
NCMTT-Cable	Pair of signal cables	
UTG	Ultrasonic Thickness gauge	
F-100-100	Sonic Coupling compound	

Features:

- Economical Price
- Field Programmable
- Clamp-On Transducer
- Non-Invasive

Theory of Operation

The portable flowmeter uses the transit time difference principal for non-contact flow rate measurement for full pipe clean liquid applications. Utilizing the latest digital signal process technology offers high performance and easy installation and operation.

SPECIFICATIONS

Transmitter

Technology.....	Ultrasonic Transit Time
Enclosure.....	Handheld High impact thermoplastic Nema 3. (7.9" x 3.6" x 1.3")
Accuracy.....	+/- 1 to 2% of rate for liquids with velocities >0.5 fps
Power:.....	3 AAA NiH built in batteries, Rechargeable batteries 10 hrs of operation. USB power charger
Keypad.....	Data Entry
Display.....	2 lines Digital LCD, Flow Rate, Totalizer and Diagnostics.
Units.....	English and metrics, flow rate
Totalizer.....	Net, Pos & Neg.
Data Logger	2,000 lines of data & software
Flow Range.....	0.1 to 20 FPS Bi-directional
Temp.....	32 ^o F to 176 ^o F (0 ^o to 80 ^o C)

Transducer NCM-M1

Type.....	Pair of Clamp-on 1 MHz transducers, 15 ft of cable.
Pipe Size.....	2" to 28" (50 to 700mm)
Pipe Material.....	Metal, most plastics
Liquid Type.....	Liquids with < 1% suspended solids or aeration. Requires a full pipe.
Mounting Kit.....	Magnetic rail, Mounting straps, (F-100-100) Silicone Acoustic mounting compound.
Temperature.....	32 ^o F to 176 ^o F (0 ^o to 80 ^o C)

Data Sheet NCM-603 rev 7.24.21

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