

Budget Priced Hand Held Ultrasonic Flowmeter



Description

The NCM-603 Hand Held clamp-on Ultrasonic Transit Time flowmeter is Ideal for monitoring full pipe clean liquid applications. Easy installation on metal and plastic pipe materials and has no moving parts.

The magnetic hand held 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. Recommended for full-pipe clean liquids applications: Typical Examples are water, well water, chilled water, hot water, city water, cooling tower water, deionized water, sea water and acids. Ideal and technician's maintenance tool, flow studies and surveys.

Theory of Operation

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

Part Number	Description	
NCM-603	Includes: -Ultrasonic Portable Flowmeter -Carrying case -Charger / power cord -NMC-M1: Pair of transducers for pipe sizes 2" to 28". -Transducer Mtg kit. With - F-100-100: Sonic Grease	
	Spare - Parts	
FS-200	Ultrasonic Thickness gauge	
F-100-100	Sonic Coupling compound	

Features:

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

SPECIFICATIONS:

Transmitter

- Technology..... Ultrasonic Transit Time
- Enclosure..... 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:..... Battery (3) AAA Nicad. Full charge = 10 hrs of operation. Charger power is 100V-240V (Opt. 24 VDC)
- Keypad..... Data Entry
- Display..... 2 lines Digital LCD, Flow Rate, Totalizer and Diagnostics.
- Units..... English and metrics, 36 different flow rate units
- Totalizer..... Net, Pos & Neg.
- Digital Interface.... RS-232C, protocol available
- Flow Range..... 0.03-105FPS (0.01-32 MPS)
Bi-directional
- Temp..... -14⁰ to 185⁰ F (-23⁰ to 85⁰C)

Transducer NCM-M1

- Type..... Pair of Clamp-on 1 MHz transducers, 15 ft of cable.
- Pipe Size..... 2" to 28" (50 to 700mm)
- Mounting Kit..... Metal Chain pipe strap(s), F-100-100 Acoustic mtg compound.
- Temperature..... -40⁰ F to 180⁰F (-40⁰ to 82⁰C)

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