

Ultrasonic Flow Meter

Portable Economical Transit-Time Ultrasonic Clamp-On Flow Meter



Description

The *Noncontact Meters* NCMP-603 handheld Clamp-on Portable Ultrasonic Transit-Time Flow Meter is very economically priced for your budget. Utilizing the latest technology, it installs in seconds on most any rigid metal or plastic pipe. Recommended for full-pipe, clean liquids (< 2% solids) applications: Typical Examples are water, well water, chilled water, hot water, city water, cooling tower water, deionized water, sea water, sewage, acids and more. Ideal for spot checks, flow studies and surveys.

KIT

The NCMP-603 portable flow meter comes as a complete kit, ready to use. Includes: meter, transducers for pipe sizes 1" to 48" mounting kit, carrying case, manual and calibration certificate.

Part Number	Complete Kits	Price
NCMP-603	Flow Meter Kit for pipe sizes 1" to 48" (25mm to 1200mm)	\$4,800
Options - Parts		
NCM-SE16B	Spare/Replacement transducers (pair)	\$ 550
Factory NIST Calibration Certificate	Annual Factory Calibration, NIST Certificate. (included at no extra charge with purchase)	\$ 300
CAL-NIST	Calibration, NIST Traceable	\$ 490
FS-200	Hand Held Ultrasonic Thickness gauge	\$1,300
F-100-100	Sonic Coupling compound	\$ 20
NCMP-TEMP-KIT-1D	Energy Kit, Dual-Clamp-on Temp sensors kit with data logger. Requires 120 VAC power	Call

Easy to use, noninvasive, clamp-on flow meter for pipe sizes 1" to 48"

SPECIFICATIONS:	INDICATOR / TRANSMITTER
Operating Parameters:	For clean liquids in full pipes with < 2% solids or gas bubbles
Data Entry:	Keypad with English, French & Spanish menu language selection
Elec Enclosure:	Handheld Portable, ABS
Accuracy:	>1 FPS $\pm 2\%$ of reading typical <1 FPS ± 0.1 ft/sec reading typical. Repeatability $\pm 0.5\%$ of reading typical
Power Input:	NiMH battery, up to 18 hours continuous operation. External charger with 100-240VAC 50/60Hz input
Display:	White, backlit matrix - displays 5-digit flow rate with floating decimal, 14-digit totalizer, calibration menu & daily flow report
Outputs:	4-20mA (500 ohm) when powered by AC adapter. USB for data log transfer by direct PC connection
Data Logger:	Programmable 300,000 data point capacity, time and date stamped or formatted flow reports including total, average, minimum, maximum and times of occurrence
PC Software:	For Windows 98 or higher. Retrieves, displays and saves data log files
Operating Temp. (electronics):	-5° to 140°F (-20° to 60°C)
Carry Case:	Rated IP67 with protective molded foam inserts
SPECIFICATIONS:	TRANSDUCER
Pipe Size:	1" to 48"(25mm to 120mm)
Pipe Material:	Any Metal or Plastic rigid Pipe
Flow Range:	0.1 to 40 FPS (0.03-12.2 MPS) typical
Operating Temp:	-40° to 300°F (-40° to 150°C)
Mounting Kit:	Clamps, SS straps, alignment bar and acoustic coupling compound
Cable:	12 ft (3.4m) with BNC & seal jackets
SPECIFICATIONS:	OPTIONS
Optional Energy Kit:	Dual-clamp on temp sensors with data logger. Requires 120 VAC and excel® to calculate BTU.
NOTES	
Shipping Weight:	15 lbs (6.8 kg)

Data Sheet NCMP-603 Rev 8.1.13

Noncontact Meters

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