

Handheld Ultrasonic Flow Meter FM-200H

GENERAL

FLOKO FM-200H series is a portable transit-time ultrasonic flowmeter with clamp-on transducers for non-invasive liquid measurement. Our microprocessor based, user friendly, field programmable flow measurement technique allows no interruption of the process flow and has low installation costs.

FEATURES

- ❑ 4 line LCD display with flowrate, totalizer & signal condition.
- ❑ The flowmeter is designed for high accuracy +/-1.0%.
- ❑ Small sized (210 * 90 * 30mm) and light - weight (500 g)
- ❑ Wide range, Velocities (0.01 ~ +/- 32 m/s).
- ❑ Ni-MH Battery life for up to 12 hours continuous operation.
- ❑ Transducers for pipe sizes of 15 to 6000 mm.
- ❑ High accuracy of +/-0.5% of reading (or +/-0.2% of reading)
- ❑ Transducers include magnet device, which can install on Metal pipe without mounting belt.
- ❑ Data logger which records flowrate, date, total flow, signal condition..Etc.
- ❑ Response time less than 1 second



SPECIFICATION

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|-----------------------|--|-----------------------|--|
| ● Measuring Principle | : Transit time Ultrasonics | ● Keypad | : 18 Key with tactile action |
| ● Transducers | : TS-2 : 15 mm ~ 100 mm (1/2" ~ 4")
: TM-1 : 50 mm ~ 700 mm (2" ~ 28")
: TL-1 : 300 mm ~ 6000 mm (12" ~ 240")
: TS-2-HT : 15 mm ~ 100 mm (1/2" ~ 4")
: TM-1-HT : 50 mm ~ 1000 mm (2" ~ 40") | ● Response Time | : Less than 1 second |
| ● Pipe Material | : Cast Iron, Stainless Steel, Ductile Iron
Copper, PVC, Aluminum, Asbestos
Fiberglass... etc. | ● Flow velocity | : 0.01 ~ +/- 32 m/s |
| ● Liner Material | : Tar Epoxy, Rubber, Mortar, Polypropylene,
Polystyrene, Polystyrene, Polyester, Ebonite,
Polyethylene, Teflon... etc. | ● Resolution | : 0.0001 m/s |
| ● Display | : 4 Line LCD with illumination.
Flowrate : 5 digit with decimal point
Totalizer : 8 digit, Forward, Reverse & Net values.
Engineer Unit : M3, Liter, US Gallon, Imperial Gallon,
Million Gallon, Cubic Feet, US Barrels,
Imperial Barrels, Oil Barrel.
Time Unit : Second, Minute, Hour, Day.
Other : Velocity, Date, Time, Signal condition. | ● Ambient Temperature | : -20 ~ +50 °C |
| ● Accuracy | : +/- 1% ~ +/- 2% of reading (0.5 ~ 30 m/s)
: +/- 0.5% of reading (online calibration) | ● Ambient Humidity | : 90% RH or Less |
| ● Repeatability | : +/-0.2% of reading | ● Built-in battery | : Ni-MH Battery |
| | | ● Operation Time | : > 12 Hours |
| | | ● Charger | : 90 ~ 260Vac 50/60 Hz, 8-12 Hr charging |
| | | ● Data Storage | : Operation parameters and totalization
data are stored by EEPROM for more
than 10 years |
| | | ● Operation Time | : > 10 Hours |
| | | ● Charger | : 90 ~ 260Vac 50/60 Hz, 8-12 Hour charging |
| | | ● Data Logger | : 24 KB data include flowrate, totalizer,
time, date. |
| | | ● Alarm | : High/Low with buzzer |
| | | ● Power consumption | : Less than 2W |
| | | ● Dimension | : 210 * 90 * 30 mm |
| | | ● Weight | : 0.50 Kg |
| | | ● Enclosure | |
| | | Converter | : IP65 |
| | | Sensor | : IP68 (Submersible) |

