

WATER MONITORING SOLUTIONS



Transit time Ultrasonic Pipe Flowmeter

ChronoFLO® Mini



- Flow measured from DN 15 mm (0,049 ft)
- Measurement accuracy: up to $\pm 0,5\%$
- Ease of installation, less than 5 minutes
- Non-intrusive flow measurement
- Waterproof (IP67/IP68)
- Drinking and wastewater

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Applications

The ChronoFLO Mini is used for the following applications:

- Diagnosis of drinking water and wastewater networks,
- DMA (leak detection monitoring),
- Checking existing flow meters,
- Calibration of lift pumps,
- Volume quantification.

Technical specifications

Measurement range	○ Two-way up to 25 m/s (82.02ft/s) ○ Certified measurement for MEAS value < 20% in the fluid	
Accuracy	In steady-state flow: ○ ±1 to 2% of the reading without calibration. depending on the application ○ ±0.5% of the reading with calibration	
Standalone operation	25 hours continuously or 3 weeks in low power mode with 1 measurement/minute	
CPU	Memory	416 900 data points
	Language	English, French. For other languages, please contact us
Power supply	Internal	Rechargeable lithium polymer batteries
	External	Mains or battery
Outputs	Communication	Mini USB & RS232
	Digital	1 * Relay for Totalizer and Alarms
	Analogue	1 * Current Output (Scalable Isolated 4-20mA)
Communication	By Mini USB - USB cable (text file). Datas can be directly import into a spreadsheet	
Sensors	1 MHz (standard)	DN between 50 mm and 2000 mm (0.16 to 6.56 ft) with 2.9 m (9.51 ft) or 30 m (98.43 ft) cable (optional)
	4 MHz (optional)	DN between 15 mm and 100 mm (0.049 to 0.33 ft) with 2.9 m (9.51 ft) or 30 m (98.43 ft) cable (optional)
	0,5 MHz (optional)	DN between 500 mm and 3000 mm (1.64 to 9.84 ft) with 2.9 m cable
Installation	○ Mounting rail with chains for diameters < 2000 mm (6.56ft) ○ Optional: Straps for large diameters or magnetic adapters for metal pipes	
Operating temperature	○ Sensors: -40 to +120 °C (-40 to 248°F) ○ CPU: -10 to +50°C (14 to 122°F)	
Storage temperature	-20 to +50°C (-4 to 122°F)	
Waterproofing	○ Sensors: IP68 ○ CPU: IP67	
Standard kit	○ Central unit, power supply and shoulder strap pair of 1MHz clamp-on sensor and mounting rail ○ Couplant, retractable tape, bubble level, USB <--> USB Mini adaptor and transit case	
Pipe thickness gauge (optional)	Measurement range	Variable (depending on pipe material), up to 50 mm (1.96in)
	Precision	0.1 mm (0.004in)
Dimensions	○ 1 MHz sensors: 75 x 30 x 45 mm (0.25 x 0.098 x 0.15 ft) ○ CPU: 182 x 115 x 34 mm (0.60 x 0.37 x 0.11 ft)	
Weight	Kit: 2.9 kg	
Compatible pipes	Metals, glass, and sonically conductive homogeneous polymers/plastics Lining Bitumen, glass, epoxy paint and most concrete liners. Excludes loose liners	
Warranty	12 months	
Calibration	Performed annually at the factory on our COFRAC standard hydraulic calibration rig	
Metrological certification	Calibrated using electromagnetic flow meters (100 and 200 mm) calibrated according to COFRAC procedures	

ChronoFLO Mini V.1 - EN - 04/17 - Hydreka reserves the right to modify product technical characteristics without notice.

Products available for sales. Please contact us for more information.

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