

MACH 3 SIMPLE FLOWMETER FOR OPEN CHANNELS



The MACH 3 is an economic ultrasonic flow meter. Easy to install, it provides a reliable measure for your Venturi flume and other weirs.

- Simple installation, without zeroing (it don't need to stop your process to calibrate the sensor).
- Easy programming thanks to its built-in tables high conversion rate for works standardized or not. Easy programming with integrated calculations.
- Temperature compensation
- Blanking distance 0 mm
- Large backlit display for easy reading
- Password protection
- Waterproof wall or built-in versions

ULTIMATE SIMPLICITY

- 1 ultrasonic sensor
- Integrated rate conversion (triangular or rectangular weirs, Venturi flume ...)
- 1 output 0-20 mA or 4-20 mA
- 3 relay outputs



The reference in the "eco" flow meter category

CARACTERISTICS

Flowmeter

- **Measurement range:** Height 0 - 2500 mm • Flow Rate 0 à 9999 m³ / h
- **Input:** 1 echo Doppler ultrasonic sensor 125 KHz
- **Outputs:** 1 analog output 4-20 mA (500 Ohms max)
3 relays configurable for pulse proportional to the flow rate or thresholds
- **Protection:** IP 65 (waterproof wall) • IP 64 (built-in)
- **Conversion Tables height / Flow:** • Integrated works for standard or not .
 - 32 points Programmable Curve
 - Power supply: • AC 110 V or 230 V 50/60 Hz 15 VA max
 - DC 18 to 36 V, 10 W max
 - solar panels as an option
- **Dimensions:** 188 x 160 x 107 mm (waterproof wall) • 200 x 112 x 108 mm (built-in)
- **Weight:** 1 Kg (wall waterproof) • 1.3 Kg (built-in)

Sensor

- **Technology:** Ultrasonic doppler echo
- **Temperature Compensation:** Yes, built-in to sensor
- **Accuracy / half angle of emission / Frequency:** 1 mm / 6 ° / 125 kHz
- **Dist min:** 0,00 m
- **Operating temperature:** - 40 ° C to + 90 ° C
- **Dist cable (standard, max):** 5 m / 1000 m • 8 mm diameter
- **Protection:** IP 68
- **Weight / Dimensions:** 0.7 Kg • 75 mm x 184 mm + sunscreen 180 mm diameter
- **Fixing:** Boss M20 or 1" NPT, max thickness 8 mm

ADVANTAGES



- Versatility
- Simple and robust
- Options / Related Products:
 - Mounting Bracket
 - Standardized Venturi flumes
 - Measurement of pH , Temperature
 - Refrigerated Sampler



MACH3, FULL OF SIMPLICITY