



The Portable POCKET MOBILE-UFM

The Sonic Driver POCKET MOBILE-UFM connects to your mobile smart phone or tablet (Android) and turns it into a clamp-on ultrasonic flowmeter.



Sonic Driver MOBILE-UFM

Sonic Driver
In-app purchases

3

PEGI 3

£0.99



About this app



Turn your mobile device into a clamp-on ultrasonic flowmeter

The POCKET MOBILE-UFM is a fully functioned clamp-on ultrasonic flowmeter that connects to your mobile device (Android) using the Sonic Driver Mobile app.

The app is available from Google Play Store. The apps intuitive menu driven user interface makes it incredibly easy to use.

Yet all of this is achieved with no compromise in flow measurement performance.



Made in Britain

Specification

- Pipe outer diameters ranging from 15 to 500mm.
- Temperature range for MOBILE-UFM, -10 to +65 degC (mobile device dependent on manufacturers specification).
- MOBILE-UFM weight 220g.
- MOBILE-UFM dimensions 140 x 40 x 20mm.
- MOBILE-UFM IP65 enclosure (mobile device dependent on manufacturers specification).
- Power supplied from mobile device, via USB-OTG cable, battery life up to 6 hours continuous use (dependent on mobile device battery capacity).

Features



- Light weight and small for easy operation.
- Intuitive installation using menu driven user interface, utilising mobile device touch screen.
- Full set of instrument and measurement diagnostics.
- Signal oscilloscope for sensor positioning and diagnostics.
- Internal database of pipe materials and fluids.
- Entry of pipe dimensions, temperature etc. in metric or imperial units.

Registered in England and Wales No. 10659254 Registered Office
Lochiel, Llaneilian Road, Amlwch, Anglesey, Gwynedd, LL68 9HU.

- Totaliser in units of litres.

Performance

- Measurement principle ultrasonic transit time difference.
- Flow velocity range 0.01 to 25m/s.
- Resolution 0.25mm/s.
- Repeatability 0.15% of measured value.
- Accuracy +/- 1 to 3% of measured value depending on application, +/- 0.5% of measured value with process calibration against reference meter.
- Turn down ratio 1/100.
- Measurement rate 1Hz as standard.
- Gas/solids <10% of volume.

Quantity and units of measurement

- Flow velocity (m/s, ft/s)
- Volumetric flow rate (l/min, m3/hr, GPM, GPH, ft3/min)
- Mass flow rate (kg/min)
- Totaliser with; start, stop and reset in litres.

Internal database

Pipe materials

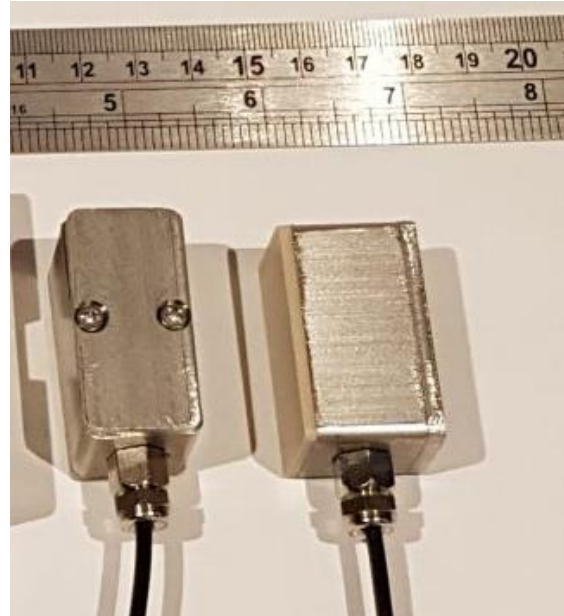
- Carbon steel
- Stainless steel
- Copper
- PVC
- Cast Iron
- Ductile Iron
- HDPE

Fluids

- Water
- Petrol
- Diesel
- Glycol-Water

Call to discuss other options.

Transducers



- 2 operating frequencies to cover the range of pipe outer diameter 15 to 500mm (specified with order).
- DM10, 1MHz for pipes of 25 to 500mm.
- DM20, 2MHz for pipes less than 25mm.
- Dimensions 40 x 20 x 25mm for locations with limited access.
- Material stainless steel and PEEK.
- Temperature range -10 to +80 degC.
- Ingress Protection rated IP66, with IP68 option.
- Cable length 1.5m as standard.
- Matched pairs for accurate zero flow measurement.

For more information or to arrange a demonstration please contact Sonic Driver by email enquiries@sonic-driver.com, telephone +44(0)7971 273000 or by post at the address shown at the bottom of this page.

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