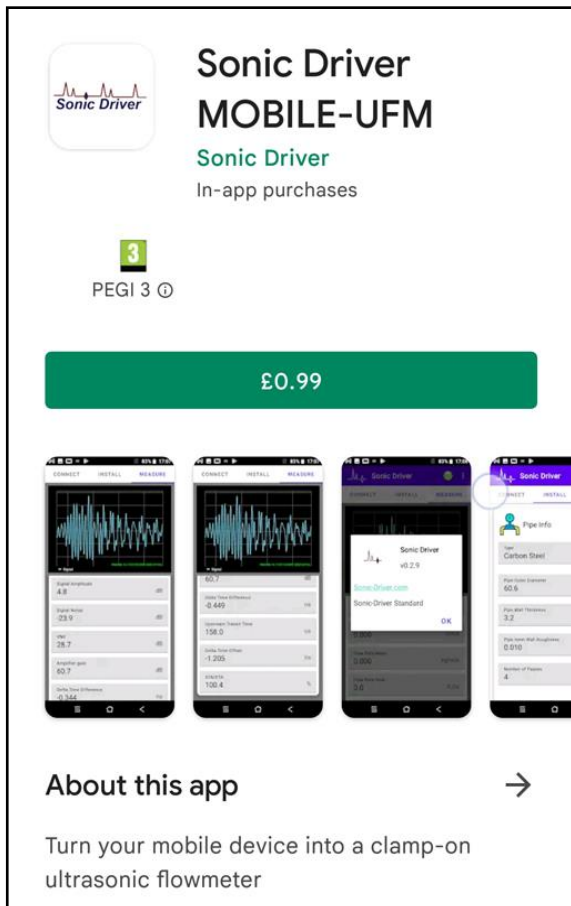




## The Portable POCKET MOBILE-UFM

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



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 app's 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 500 mm.
- Temperature range for MOBILE-UFM, -10 to +65 degC (mobile device dependent on manufacturers specification).
- MOBILE-UFM weight 220 g.
- MOBILE-UFM dimensions 140 x 40 x 20 mm.
- MOBILE-UFM IP54 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.
- Totaliser in units of litres.

## Performance

- Measurement principle ultrasonic transit time difference.
- Flow velocity range 0.01 to 25 m/s.
- Resolution 0.25 mm/s.
- Repeatability 0.15 % of measured value.
- Accuracy +/- 0.5 to +/- 3.0 % of measured value for velocity greater than 0.2 m/s, depending on application.
- Turn down ratio 1/100.
- Measurement rate 1 Hz as standard.
- Gas/solids < 10 % of volume.

## Quantity and units of measurement

- Flow velocity (m/s, ft/s)
- Volumetric flow rate (l/min, m<sup>3</sup>/hr, GPM, GPH, ft<sup>3</sup>/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



- DM10, 1 MHz for pipes of 15 to 500 mm (specify size with order).
- Dimensions 40 x 20 x 25 mm for locations with limited access.
- Material stainless steel and PEEK.
- Temperature range -10 to +80 degC.
- Ingress Protection rated IP54, with IP68 option.
- Cable length 1.5 m 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](mailto:enquiries@sonic-driver.com), telephone +44(0)7971 273000 or by post at the address shown at the bottom of this page.**

**Sonic Driver Ltd accepts no responsibility or liability if any of its products have not been installed in accordance with the installation instructions applicable to the product. Sonic Driver Ltd reserve the right to alter any specifications without notice.**

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