

## Non-invasive ultrasonic flow meters

**M**ACE has introduced a new range of products into its extensive range of flow meters. The Dynasonics non-invasive clamp-on flow meters are an ideal low cost solution for many industrial discharge, water, wastewater and irrigation applications.

The 'TFXL' clamp-on flow meter uses time of flight ultrasonic technology to measure most liquids containing less than 40 per cent total suspended solids or aeration. The non-invasive unit provides easy and low cost installation by clamping on the outside of existing pipe systems ranging in size from 10mm to 2500mm.

The unit can be used for permanent monitoring applications. It comes standard with a pulse and analogue output making it suitable for SCADA and PLC applications.

Unlike other clamp-on meters, MACE can provide a low-power option to allow permanent or long-term installations in remote locations. This is suitable for sites where electricity may not be available. The TFXL is easily configured using a Windows-based software utility, UltraLink.

UltraLink allows a user to easily configure, calibrate, and troubleshoot the TFXL. Additionally, the series TFXL can be supplied with a local display featuring flow rate and total flow in a choice of several engineering units.

The 'TFXP' portable flow meter features the world's most advanced non-invasive flow measurement technology. The TFXP is capable of reliably measuring liquids containing moderate amounts of suspended solids or aeration.

The TFXP is optimal for short-term flow measurement surveys on full-pipe liquid systems and is ideal for verifying calibration of permanently mounted flow meters of all types.

For additional information on the Series TFXP and TFXL flow meters visit the MACE website at: [www.mace.com.au](http://www.mace.com.au) or call MACE on 02 9980 2692.



The TXFL flow meter.



The TFXP portable flow meter.