HWM Global

Innovations that keep critical resources flowing.

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# MAST II

## Mobile Advanced Step Test

MAST II is a radio-based system that delivers immediate notification of flow change as a valve is operated.

This allows potential leak areas to be quickly identified and quantified, avoiding the need to complete a full step test for later comparison with logged data.

Mast II builds on the success of the MAST system, featuring a more portable, user friendly unit with improved radio telemetry.

### Key Features

- **Compact:** increased portability and ease of use.
- **Improved radio telemetry:** rapid data transfer.
- **Real-time data:** instant response to flow changes.
- **Accurate:** highly accurate on plastic pipes.
- **User-friendly:** single user operation and luminous keypad.
- **Time synchronisation:** data storage and valve closures are time-synchronised with graphical results.
- **Long coverage:** MAST radio coverage up to 6 miles.
- **'Step':** water loss localised to a specific area (step).

### What is 'Step' Tesing?

Step testing is an effective, flow-based method of localising water loss with a zoned distribution system. It works by continually measuring the flow of water into a zone as valves are shut off in sequence.

Step testing can be used in all networks, but is particularly suited to identifying areas of leakage on plastic pipe materials, where leak noise is absorbed and conventional acoustic methods are less effective.

Testing usually takes place during the night when water consumption is at its lowest, so that shutting off the supply causes minimum disruption. The areas of the pipeline showing unexpected water losses can then be identified and investigated.

ISO 9001 QUALITY MANAGEMENT
ISO 14001 ENVIRONMENTAL MANAGEMENT
ISO 27001 INFORMATION SECURITY MANAGEMENT
ISO 45001 HEALTH & SAFETY MANAGEMENT
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HWM-Water Limited (Trading as HWM Global). Registered in England and Wales Number 01463016
and registered office is Ty Coch House | Llantarnam Park Way | Cwmbran | NP44 3AW | UK
**DAT-073-0001-B 27.02.2026**

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