MAST II

Mobile Advanced Step Tester

Halma Water Management

Introduction

Step testing is an effective, flow-based method of localising water loss within a zoned distribution system. 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.

MAST (Mobile Advanced Step Tester) is a radio-based system which gives the oprator immediate notification of flow change at the receiver as a valve is operated. This gives fast leak identification and quantification, avoiding the need to complete a full step-test for later comparison with logged data.

Features

- Water loss localised to a specific area ("step")
- Portable, high speed, high accuracy systems

NEW COMPACT DESIGN | PORTABLE | REALTIME DATA | SINGLE USER

- Single user operation
- Luminous keypad
- Data storage and valve closures time-synchronised with graphical results
- Minimal consumer disruption
- MAST radio coverage up to 6 miles
- New compact design
- Interface to all standard meter types
- Instant response to flow changes
- Real-time data indicates flow changes instantly

MAST

The MAST system comprises two instruments:

- A data logging unit with high power radio transmitter
- A portable flow indicator/recorder with integral radio receiver.

The system has been re-designed to be more portable and features new radio telemetry.

Palmer environmental | HYDREKA | RADCOM TECHNOLOGIES LTD

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PRODUCT SPECIFICATION

MAST II

(1) Data Collector/Transmitter	
Flow sensor	All standard flow sensor pulse heads supported
Logging intervals	5, 10, 15, 30 seconds 1, 2, 5, 10, 20, 30 minutes
Display	High efficiency LED for good day/nightvision
Memory	8Kb ROM
Identifier	4-digit data selector/scrambler preset to avoid cross-talk from other systems in area
Data entry	Custom membrane waterproof switch panel
Transmission Distance	Up to 6 miles terrain dependant
Power supply	Rechargeable Lithium Ion battery
Operation time	Up to 8 hours between charges
Housing	Rugged weatherproof enclosure to IP67
PC Software	'Windows' based support software

(2) Portable Flow Indicator/Receiver	
Operating modes	Reference flow (start flow), current flow or step
Memory	32Kb RAM, battery-backed
Data synchronization	Battery-backed real-time clock
Display	LED (Rx Only) Screen 80mm x 25mm
Data entry	Custom membrane keyboard
Data output	RS232 interface to PC
Identifier	4-digit security code to accept data only from correct transmitter
Power supply	Rechargeable Lithium Ion battery
Operation time	Up to 8 hours between charges
Housing	Rugged weatherproof enclosure to IP67

HWM reserves the right to vary specifications without prior notice

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