



A MICROMEGA Group Company

FIELD SERVICE TERMINAL (FST)

The Field Service Terminal is an integral part of the Utility Systems Water Management Solution, providing a software based in-field support tool for products such as the Water Management Device (WMD), Bulk Water Management Device and Aquadata.

The FST facilitates configuration, testing, data collection and data analysis using either an infrared probe (which connects directly onto the WMD) or a radio frequency device such as the Mobile Data Collector, enabling automated meter reading (AMR) and Advanced Metering Infrastructure (AMI).





FEATURES

- » Ruggedized Windows-based notebook for use in harsh environmental conditions
- » In-field configuration, testing and interrogation of Utility Systems products
- » User friendly interface designed for use in difficult environments
- » Displays current management settings
- » Can configure device management parameters
- » Tests valve operation, flow measurement and communication operations
- » Has graphic display of consumption Profiles, alarms (including leaks and tamper flags), end of month reading and other critical data
- » Downloads current and historic data
- » Allows for the selection of multiple, pre-programmed sets of management settings to be activated with one click
- » Tamper notification

CONFIGURATION

The FST allows the following options to be configured on the Water Management Device:

- » Open duration
- » Daily and/or monthly flow limitation between 10 and 50 000 litres
- » Billing date
- » Optional carry-over of unused daily allocation
- » Optional monthly carry-over
- » Tamper
- » Lifeline water
- » Emergency water
- » Flat tariff water
- » EBU functionality (time-based operation)

DATA COLLECTION AND ANALYSIS

- » Data can be imported from 50 000 WMDs or Aquadatas
- » Imported data is stored in a secure format
- » Captured data can be uploaded to a system database using File Transfer Protocol
- » Displays profile graphs of water consumption over time for each meter in hourly, daily or monthly resolution
- » Hourly data is logged for up to 360 days on a first in, first out basis
- » All data, including profile data, can be exported in .csv format for easy importing

FIELD TESTING CAPABILITIES

The FST allows the following tests to be carried out in the field:

- » The communications link to the Water Management Device
- » Valve Operation
- » Memory diagnostics test
- » Pulse sensor operation
- » Radio operation