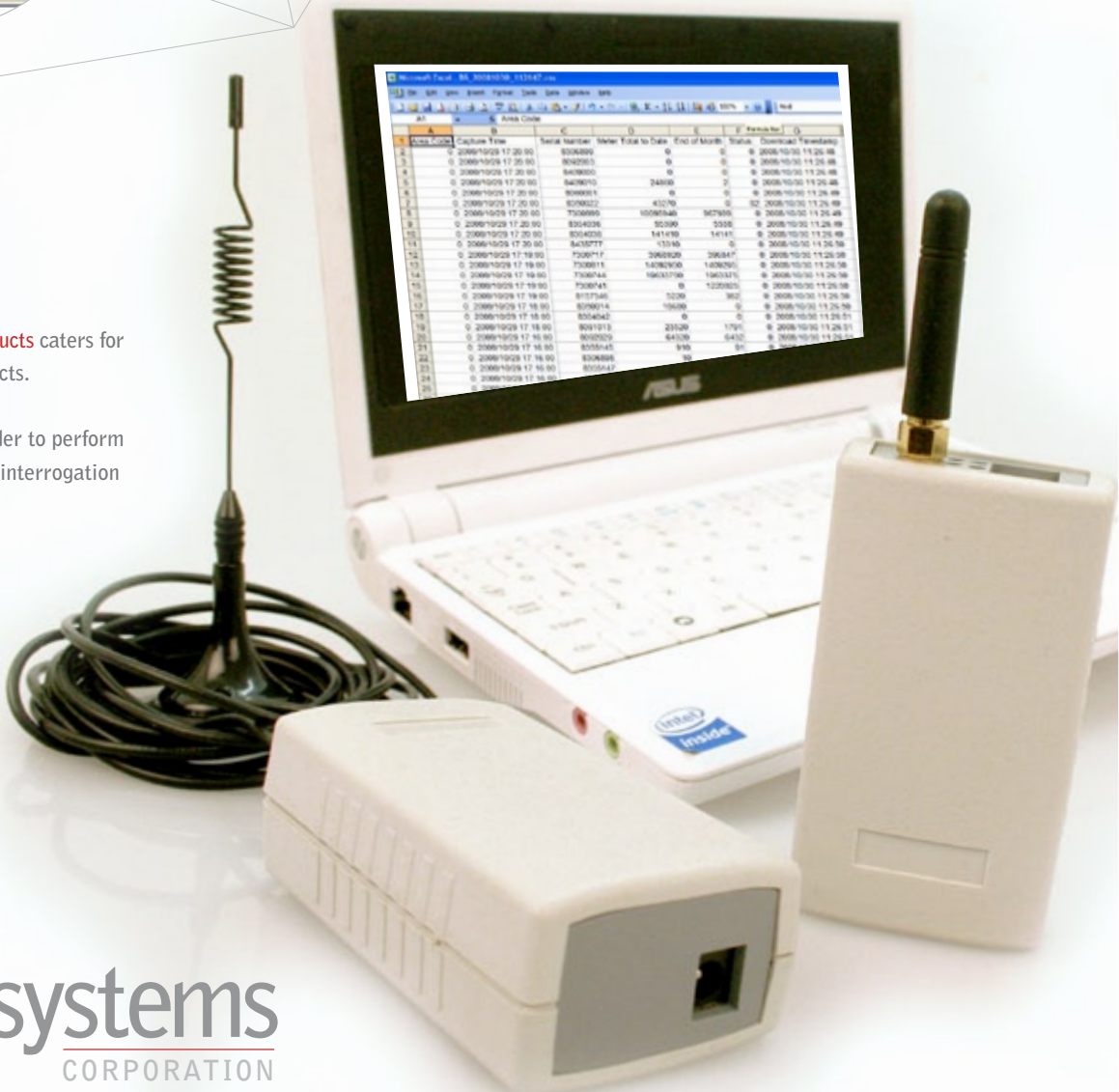




FST

field service terminal



The Utility Systems suite of products caters for both small and large scale projects.

The FST enables the meter reader to perform electronic infield meter testing, interrogation and configuration.



Area Code	Capture Time	Serial Number	Water	Flow to Date	End of Month	Status	Download	Remotability
0	2008/10/28 17:20:00	804880	0	0	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804881	0	0	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804882	0	0	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804883	24888	2	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804884	0	0	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804885	43270	0	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804886	10087048	307956	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804887	50309	53306	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804888	841495	141141	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804889	19633700	19633700	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804890	804890	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804891	16262910	16262910	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804892	19633700	19633700	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804893	804893	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804894	804894	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804895	804895	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804896	804896	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804897	804897	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804898	804898	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804899	804899	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804900	804900	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804901	804901	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804902	804902	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804903	804903	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804904	804904	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804905	804905	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804906	804906	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804907	804907	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804908	804908	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804909	804909	306847	0	0	0	2008/10/30 11:26:48
0	2008/10/28 17:20:00	804910	804910	306847	0	0	0	2008/10/30 11:26:48

FST

field service terminal



Field Service Terminal (FST)

The Utility Systems Field Service Terminal (FST) is a software application designed for use with the Flow Limiter or Water Management Device (WMD) electronic water controllers. The application is available as a pre-installed package on a Windows platform notepad, together with other relevant Utility Systems software or for installation onto existing Windows based PC's/Notebooks.

The software provides for the configuration and testing of the Utility Systems Flow Limiter and Water Management Device electronic water-dispensing valves, as well as the analysis of data retrieved from these. The FST can be connected to the WMD by an infra-red communications cable, or to a Mobile Data Collector (MDC). When connected to the MDC, communications from the MDC to the WMD is via a radio (RF) link, offering AMR/AMC/ AMI capabilities.

Features

- In-field configuration, testing and interrogation of the unit (Flow Limiter or WMD)
- Display of current management settings of the Flow Limiter or WMD
- Setting the management parameters of the Flow Limiter or WMD
- Testing valve operation, flow measurement and communication operations
- Graphic display of consumption Profiles, alarms including leaks and tamper flags, end of month reading, duty cycle, silent time, message format
- Programming of the radio
- Downloading of current and historic data from the Flow Limiter or WMD
- Transfer of data to a system database
- Programming Capabilities and Configuration Options
- The FST software allows for single-button selection of multiple pre-programmed sets of management settings
- Configurable daily activation time-WMD supports two daily switching times
- Open Duration- WMD allows for the device to be opened for a fixed duration
- Daily and/or monthly flow limitation
- Daily or monthly limitation between 10 litres to 50,000 litres, monthly up to 100 kl
- Override feature
- Billing date
- Optional carry-over of unused daily allocation
- Daily carry-over within month
- Daily and monthly carry-over

Data Collection and Analysis Capabilities

- Data can be imported from up to 50 000 Flow Limiters or WMD's.
- Imported data is stored in a secure format.
- Captured data can be uploaded to a system database on another PC.

- A Profile, showing a graph of water consumption against time, can be displayed for each user in hourly, daily or monthly resolution.
- Hourly consumption logging for up to 90 days (FIFO).
- all data including profiles can be exported in CSV format.

Infield Testing Capabilities

The FST permits the testing of:

- The communications link to the Flow Limiter or WMD
- Valve operation
- Memory
- Pulse sensor
- Radio

Minimum System Requirements

In order to successfully install and run the Software Suite, the following computer requirements must be met:

- CPU minimum speed of 600 MHz
- 50 Mbytes of free disk space, either hard drive or solid state drive
- A minimum of 128 MB of RAM
- Windows XP2 or Windows Vista (Ultimate or Business)
- Minimum screen resolution 800 x 480
- 2 x USB port
- Users must have Administration rights on the PC.

Further Information

Please visit our website at www.utility-systems.co.za

For related information please see our Water Management Device (WMD), Field Service Terminal (FST), and Flow Limiter brochures.



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