



# STAR® 3300 Water MTU

## Meter Transmission Unit



The 3300 water MTU uses the efficient, low-power, high performance STAR Network RF technology to transmit hourly, interval usage data, and two-way communication to the utility. The MTU supports up to 9-digit registers and delivers time-stamped reads on a time-synchronized network, allowing for advanced water distribution management.

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### HOURLY READS

The 3300 water MTU delivers hourly, timestamped interval-usage data, providing detailed information about water usage and identifying anomalies such as potential leaks and meter tampering.

### TIME SYNCHRONIZATION

The 3300 water MTU features time synchronization to ensure a complete system read snapshot at one time. The Utility can then use the consumption from one point in time data to reconcile the amount of water entering the system to the billable water that is consumed, thus identifying the probability of system leaks.

### SYSTEM DATA SUPPORT

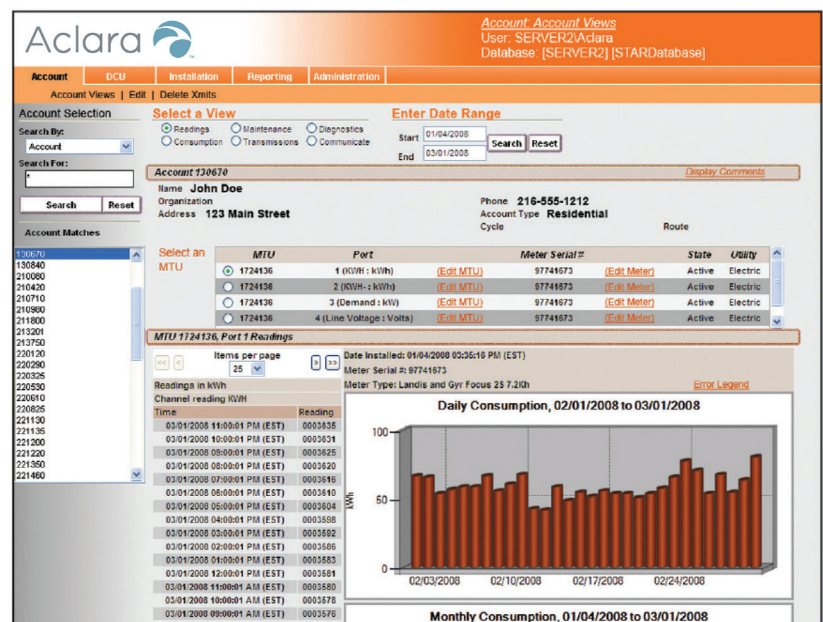
The STAR Network system provides full data support from the meter to your utility office. The system's Network Control Computer (NCC) manages and searches MTU data, tracks MTU installations, configures system settings and user roles, and creates reports to monitor MTUs in logical groups or by individual accounts.

### STANDARD SYSTEM REPORTS

- Total consumption
- Constant Consumption
- Zero consumption
- Missing reads
- Reception report
- Tamper report
- MTU:DCU redundancy
- Duplicate meter serial number request
- Duplicate MTUs report

### FEATURES AND BENEFITS

- 20-year lithium-ion battery
- Two-way communication
- Captures hourly meter data
- Provides system-wide time synchronization
- Supports up to 9-digit registers
- Operates over FCC-licensed radio frequencies



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### SPECIFICATIONS

<b>Network type</b>	Two-way <sup>1</sup>
<b>Transmit/receive frequency</b>	450-470 MHz (FCC licensed)
<b>Antenna</b>	Internal or remote external
<b>Installation locations</b>	Interior wall mount, exterior wall mount, pit/vault, remote antenna through-the-lid <sup>2</sup>
<b>Read interval</b>	Hourly-top of the hour readings, default user configurable
<b>Transmit interval</b>	Four times per day default
<b>Inputs</b>	Single or dual ports
<b>Wire length</b>	12 feet-22 AWG solid wire, with various industry-standard connectors available
<b>Battery life</b>	20 years <sup>3,4</sup>
<b>End point to end point time difference</b>	< 1 min
<b>Physical characteristics</b>	6.38" W x 4.25" H x 1.44" D
<b>Weight</b>	1 lb
<b>Color</b>	Gray
<b>Operating temp range</b>	-40°C to +70°C
<b>Operating humidity</b>	0% - 100% submersible (IP68 rated)
<b>Transmit power options</b>	Standard and extended range available
<b>Approvals</b>	FCC part 90 : Industry Canada RSS-119
<b>Warranty</b>	20 years <sup>5</sup>
<b>Meter compatibility</b>	All major manufacturers of water meters
<b>Network topology</b>	STAR Network
<b>Network compatibility</b>	Aclara DCU II
<b>Handheld interface</b>	Windows based device
<b>Meter interface</b>	Pulse or encoder
<b>Data resolution</b>	4-9 digits <sup>6</sup>
<b>Maximum meter pulse frequency</b>	Three pulses per second <sup>7</sup>

#### Notes:

1. Two-way communication for time synchronization and time management
2. Pit/vault installation under non-metallic lid, or under metallic lid using through-the-lid remote antenna
3. Battery life is stated at default settings
4. Standard range
5. Refer to Aclara standard warranty for details
6. Reports all digits that are electronically available from register
7. Pulse input only

Specifications are subject to change without notice.

Aclara Technologies LLC is a world-class supplier of smart infrastructure solutions (SIS) to more than 780 water, gas, and electric utilities globally. Aclara SIS offerings include smart meters and other field devices, advanced metering infrastructure and software and services that enable utilities to predict and respond to conditions, leverage their distribution networks effectively and engage with their customers. Aclara Technologies LLC is owned by an affiliate of Sun Capital Partners.

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