

# Ci20 Electric Revenue Meter

FOR ADVANCED METER APPLICATIONS



## REVENUE METER

AMETEK's Ci20 Revenue Meter watches over your energy investment in many ways. It has high accuracy measurements, site diagnostics and dependable communication options to ensure maximum reliability. Your installation investment is reduced with our innovative software wizard that provides quick set-up and configuration. Inventory and ordering is simplified with field upgradeable options using soft switches and plug in boards.

### High Accuracy Measurements

The AMETEK Ci20 provides an impressive 0.15% accuracy on watt-hours with additional improvements from Transformer Correction and TLC measurements. Per phase and system measurements are available including Four Quadrant and Bidirectional. The AMETEK Ci20 comes with 4 channels of Load Profile, upgradeable to 12 channels

### Multiple Communication Choices

The Ci20 can be equipped with dual serial outputs, or single serial output with Modem or Ethernet ports. A built-in Web server provides secure access of measurements using a standard Web browser. Support is provided for DNP, Modbus, ANSI tables and MV90.

### Quick Installation and Upgrades

The Windows based JEMWARE software configuration wizard reduces configuration time and minimizes errors with the step by step process. Options can be easily added via soft switch or plug in option boards. A universal form option provides access to multiple 3 phase circuit connections in one meter configuration. Order one standard configuration and upgrade it easily at your site to support any installation needs.

### Graphic Display

The Ci20 has a large easy to read graphic LCD display for displaying any metered value, health status, alarms and general operation. The secure menu driven display provides access to your meter configurations for quick changes.

### Site Diagnostics

The AMETEK Ci20 will determine whether the meter is properly connected through the Installation Verification mode, which displays the per



phase measurements and phase vectors on the graphic LCD display. Once installed, the Ci20 continuously checks the operating conditions against pre-set thresholds with alarms triggered for local or remote notification. The meter can phone any number upon an alarm including a complete power loss, providing quick notification of outages.

### Continuous Power

The Ci20 will operate off any phase, preventing a loss of recording when one or two phases are dropped. Combined with the site monitoring feature, notification of this event can be provided via automatic modem call, alarm contact and meter reads.

### Digital I/O

The Ci20 has 6 channels that can be selected as configurable inputs or KYZ outputs. The inputs can also be wetted through our internal isolated supply.

### Power Quality

The Ci20 can monitor and report your site's power quality conditions with sag and swell recording, THD, power factor, imbalance and frequency measurements.

### Totalization

With up to 6 configurable inputs, you can totalize a variety of measurements providing a consolidated output.

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