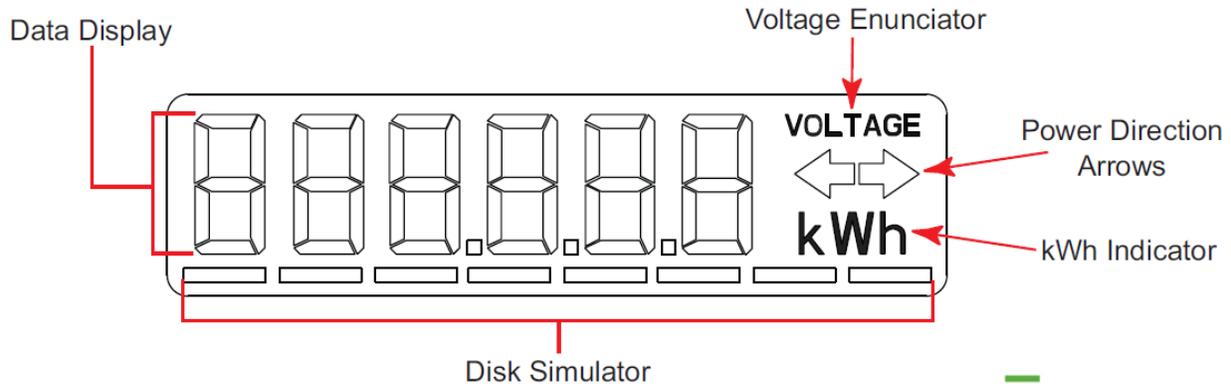# How To Read Your Automated Meter

The Display

Data Display

The data display is composed of LCD segments arranged to display letters and digits. Typically, the total kilowatt-hours are displayed in whole numbers.

Disk Simulator

The disk simulator is an eight-segment bar that runs under the data display. In normal operating conditions, the disk simulator appears to move from left to right and increments once every watt-hour. In reverse power conditions, it appears to move from right to left.

Voltage Enunciator

The voltage enunciator appears when sufficient AC voltage is detected to ensure reliable operation of the meter. At lower voltages (greater than a 20 percent drop from nominal conditions), the indicator is turned OFF. Although meter operation may continue normally, the meter's ability to detect imminent outages is impaired.

As an enabled option for 12S meters, the voltage enunciator will flash on and off in one-second intervals when the meter detects a single voltage level that has fallen below the configured threshold.

The voltage enunciator will return to the steady ON condition when the voltage rises above the threshold.
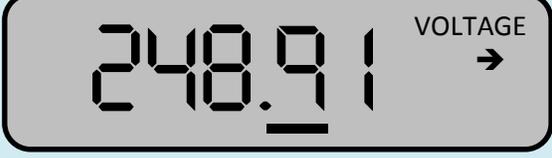
Power Direction Arrows

⇨	This arrow indicates that the meter has detected delivered, or forward, energy that was supplied to the customer from the distribution system.
⇦	This arrow indicates that the meter has detected received, or reverse, energy that the customer has supplied to the distribution system.

kWh Indicator

The kWh Indicator appears to the right of the data display and below the power flow indicators. It is activated in the meter's default display mode.

Display Order

Display Test	`888.8.8.8` VOLTAGE ← → kWh
List 1 Header (information on next screen)	`LSt001` VOLTAGE →
kWh Meter Reading	`02500` VOLTAGE → kWh
List 30 Header (information on next screen)	`LSt030` VOLTAGE →
Peak Demand	`009.605` VOLTAGE →
List 43 Header (information on next screen)	`LSt043` VOLTAGE →
Voltage Snapshot (228-252 are the acceptable ranges by ANSI C84.1-1995)	`248.91` VOLTAGE →
List 80 Header (information on next screen)	`LSt080` VOLTAGE →
Remote Disconnect State or Relay Closed = Power is ON Open = Power is OFF	`CLOSEd` VOLTAGE →