



**BEFORE READING THE DISPLAY FOR ANY S-10 PRODUCT**

CAUTION: When reading the meter display, all consumption and demand values must be multiplied by the correct multiplier to calculate true value. This includes all register values (kWh, kW, kVARHLg, kVARHLd, etc.) and Phase Diagnostic values (real time Amps, Watts, etc.).

Volts, phase angle, frequency and power factor are displayed on the LCD as their true values and should not be multiplied.

Please consult Table 1 CT Multipliers for the appropriate value dependent upon the rating (or size) of the CT.

**HOW CT MULTIPLIERS ARE CALCULATED:**

The multiplier values for CTs with 0.1A secondary ratings are derived by dividing the primary side rating by 100. For example, a 50:0.1A-rated CT will have a multiplier of  $50 \div 100$ , which is 0.50. A 100:0.1A rated CT will have a multiplier of  $100 \div 100$  which is 1.)

**EXAMPLE:**

Meter point with 400:0.1A CT

LCD reading for meter is 3422.119kWh



The correct cumulative consumption (kWh) for this meter is **13688.476** kWh.

( $400 \div 100 = 4$ . Multiply face value for consumption and demand values by 4.  $3422.119 \times 4 = 13688.476$ )

**NOTE: Failure to use the appropriate multiplier will result in an incorrect diagnosis of the meter's functionality and incorrect revenue billing.**

	CT Rating	Multiplier for 0.1A CT
<b>120/208V S-10 Meters</b>	<b>50A</b>	<b>x0.5</b>
	<b>100A</b>	<b>x1.0</b>
	<b>200A</b>	<b>x2.0</b>
	<b>400A</b>	<b>x4.0</b>

Table 1. CT Multipliers

  Quadlogic Controls Corporation			TITLE		
SIGNATURES		DATE	17-S10 120/208V3P4WR3		
MODEL	JREA	07/18/08	SIZE: DRAWING		REV
DETAIL			17-S10 120/208V3P4WR3		3.0.R
APPROVED	JKIM	09/16/08	SCALE:		SHEET 2 of 2
APPROVED	NPAT	09/16/08			