



# New Era Meter



The NE Meter utilizes some of the most advanced true RMS metering technology available in today's market. With Carbon Footprint Reporting, an auto-ranging power supply, and Wi-Fi communication capabilities, the New Era Meter is ideally suited for any metering or sub-metering application.

**Operating Range:**

- Voltage: Socket - 85 - 300 Volts (absolute)
- Surface - 96-528 Volts (absolute)
- Current: 100 - 5000 Amp Transformers
- Frequency: 47Hz to 63Hz
- Temperature: -40°C to +85°C
- Humidity: 0 to 95% non-condensing

**Accuracy:**

	Unity Power Factor	50% Power Factor
Test Amps/30	0.2%	0.5%
Test Amps	0.1%	0.4%

**Burdens:**

Current Circuit:	Phase A, B, C	1VA max
Voltage Circuit:	Phase A	8.6VA max
Power Circuit:	Phase B & C	0.24 VA max.

**Insulation, Surge Protection and Performance:**

- Conforms to ANSI C12.20
- ANSI / IEEE C37.90.1 - 1989
- IEC 801-4 (4kV) 1988
- FCC Part 15 and FCC 68

Type: Metal Oxide Varistors line to neutral and neutral to ground  
 Ratings: 480 VAC RMS continuous  
 4400V peak fast transient  
 4000A peak transient

**Enclosure:**

GE Lexan 5V Fire Rating  
 NEMA 4X Rating

**Socket NE Meter Class:**

20, 200, or 320

**Communication:**

ANSI C.12.18, ANSI C.12.19

**WI-FI:** 802.11b,g

**Socket Mount**



**Surface Mount**



**Standard Features**

- kWh, kW, kVA or kVAR
- Auto-Ranging Power Supply
- Field Diagnostics
- NEMA 4X Enclosure
- Socket - Internal CTs
- Surface - Split Core CTs
- Non-Volatile Memory
- UL Listed

**Optional Features**

- Wi-Fi / Ethernet Communications
- Carbon Footprint Reporting
- Pulse Input
- KYZ Pulse Output
- Demand Threshold Pulse Output
- Data Recorder
- Software Program

Model #	Description	
NE - 5000	Energy	kWh
NE - 5100	Energy Demand	kWh kW
NE - 5200	Energy Demand Programmed for Time of Use Schedule	kWh kW TOU
NE - 5300	Energy Demand Programmed for Time of Use Schedule Apparent Power or Reactive Power Power Factor	kWh kW TOU kVA or kVAR PF

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