National Meter Industries, Inc.

GREEN RENEWABLE ENERGY METERING

Series 7000 V3 Power Quality Analyzer

Features:
Remote CT Operated (up to 10,000 Amps)
RS 485 Modbus Communications (included)
Plug In Terminals for Field Testing
Field Programmable Events
MIN. and MAX. Readings to Nine Digits
Scrolling Screen Display: (V, A, P.F., KVA, THD)
Large LCD Display
LEDs Indicate Proper Meter Operation
Two Programmable Energy / Alarm Relays

Measurements:
Volts: P–N & P–P (With MIN. and MAX Readings Available)
AMPS: P–N & P–P (With MIN. and MAX Readings Available)
KW: P–N and Average
MAX. KW or KVA Demand (1 MIN. to 60 MIN., Sliding Window)
Power Factor: P–N and Average
Reactive Power L: (–) P–N and Average
Reactive Power C: (+) P–N and Average
Voltage Harmonic: THD%
Amperage Harmonic: THD%
Frequency
KWhr Total
KVARh.L Total
(P=Potential; N=Neutral)

Specifications:
NEMA 1 ABS Plastic Enclosure
Temp Range: -10 – 120 Degrees F
Humidity: 95% Non Condensing
Pulse Relay: 120 VAC .5 Amp Resistive
Meter Consumption: 0.2 Amps
Isolated CT Circuit
Measuring Voltage: 120–480 VAC
Voltage Burden: .5 VA
Voltage Tolerance: ±20%
Frequency: 55–65 Hz
Current Input: 5 AMPS . Optional 110 mV
Current Burden: .75 VA
Microprocessor Based – Ram Based – No Batteries

Accuracy:
Power: 0.5%
Energy: 0.2%
ANSI C12.16

Models:
K7V3240 120-240 VAC
K7V3480 277-480 VAC
(Max / Peak kW value reset with key)

Relays:
Maximum Switch Load: 2500 va
Voltage Rating: 240 VAC/48 VDC
Pulse Closure Time: 500 ms (energy)

Compliance:
Accuracy: ANSI C12.16
FCC: Class A Part 15
UL/CUL/CSA Listed
Michigan Compliant
NYC Approved

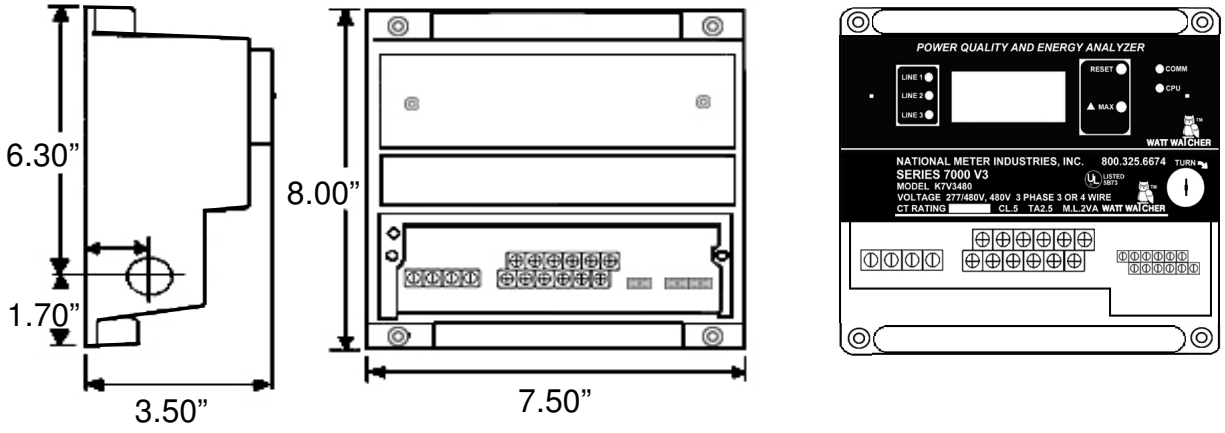
Communication Options:
Hard Wired Modbus RS485 Data
Wireless Modbus RS485 Data
Power Line Carrier
Ethernet Converter

Current Transformers:
Includes 3 – LX400 CTs (+/- 1% between 4 – 400 Amps)
Other Solid Core – Bar Type –
Split Cores CTs up to 10,000 Amps Available

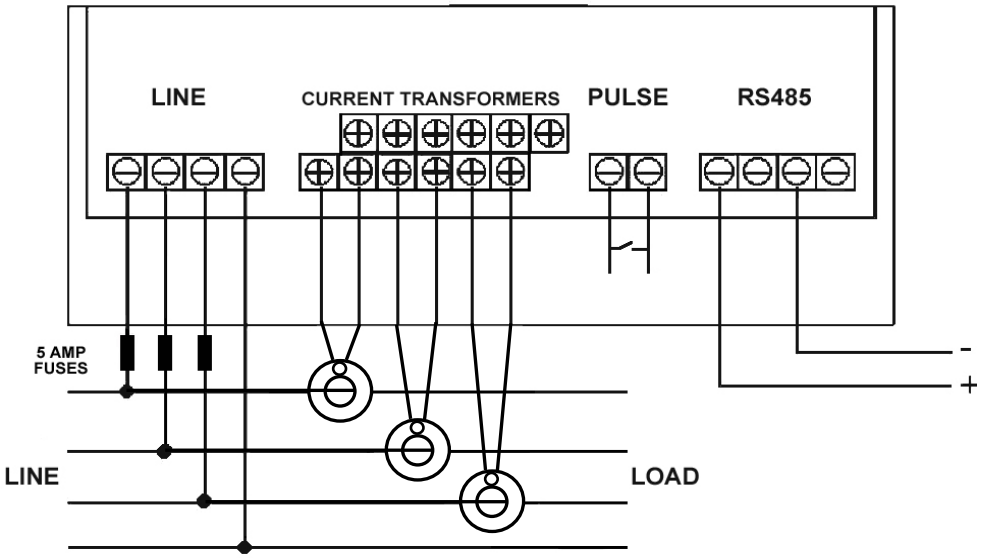
Software:
Reading & Billing (R&B v2.0)
Power Analyzing and Trending (Powerstudio)

National Meter Industries, Inc. **(800) 325-6674** 10 Commerce Park North Unit 11A, Bedford, NH 03110

Series 7000 V3 Dimensions



Typical Wiring Diagram



Hard Wired Communications