BiTRONICS Triple II™

Family of Amp. Demand & Volt. Min/Max Meters

Model AQADC2A:
QUAD II
3 Phase plus neutral ampere demand meter

Model GQWMC2A:
QUAD II
3 Phase ampere demand plus 1 phase volt min/max meter

Model ATADC2A:
Triple II
3 Phase ampere demand meter

Model ASADC2A:
SINGLE II
1 Phase ampere demand meter
• ADF-7 retrofit

Model VTAMC2A:
Triple II
3 Phase volt min/max meter

Model VSAMC2A:
Single II
1 Phase volt min/max meter

AMPERE DEMAND METERS measure and display True RMS Amperes per phase and peak thermal ampere demand per phase since last reset. A face-plate button is used to reset peak demand amperes.

VOLT MIN/MAX METERS measure and display True RMS Voltage per phase and Maximum voltage per phase since last reset. Minimum voltage is displayable using a face-plate push-button. Holding the face-plate push-button is used to reset Min/Max voltage measurements.

SPECIFICATIONS

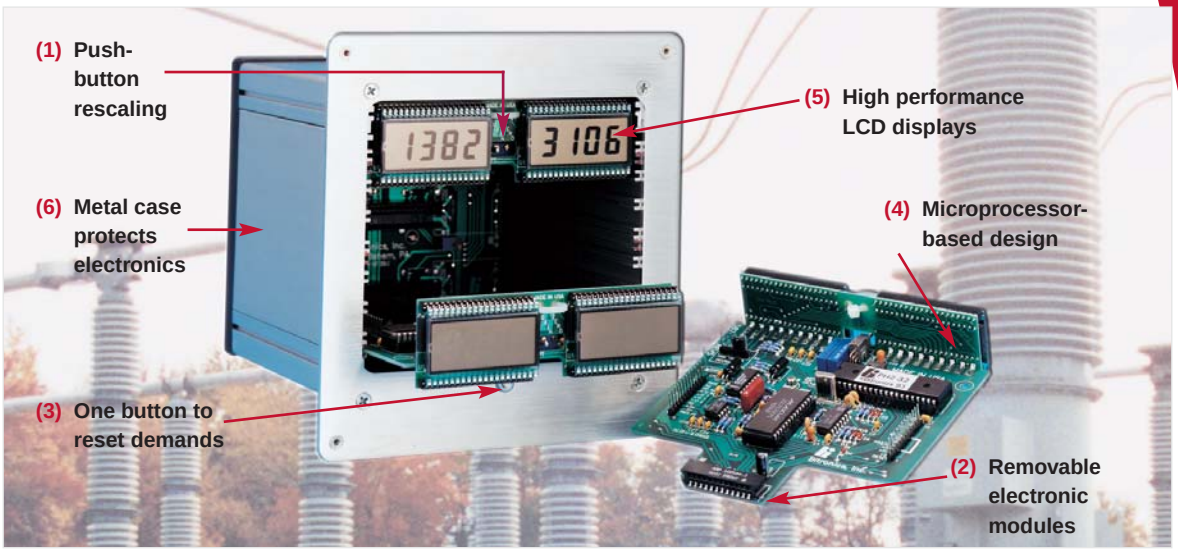
- **Current Input Signal:** 0 to 5A ac nominal per phase, with continuous overload measurement to 10A. (400A for 2 seconds).
  Burden is 4mV at 5A ac (0.02 VA).
- **Current Input Scaling:** Switch selectable scaling from internal table of CT ratios for displaying primary amps.
- **Voltage Input Signal:** 0 to 120V ac nominal per phase, with continuous measurement to 150V ac.
  Burden is < 1 mA ac at 120V ac input (0.1VA).
- **Voltage Input Scaling:** Switch-selectable scaling from internal table of PT ratios for displaying primary voltage.
- **Accuracy:** Exceeds 0.5% accuracy class. True rms.
- **Display:** 0000 to 9999 with user selectable decimal position.
- **Analog Output (Option):** 0 to 1 mA dc per phase into loads up to 10 kΩ or less.
- **Pulse Output (Option):** Optically isolated solid state Form A contact per phase.
- **Demand Interval:** Integration time is user selectable from 7 sec. to 1 hr.
- **Surge Withstand:** Meets requirements set forth in ANSI/IEEE std. C37.90.
- **Auxiliary Power Requirements:** 115V ac ±20%, 6VA power supply.
  Optional 230V ac ±20% power supply.
  Optional universal AC/DC supply: 48-125V dc/115V ac (nominal).
- **Operating Temperature:** -20 to +70°C.

Customer Benefits

- Data Collection for Load Planning
- Voltage Performance Monitoring
- Clear, Easy to Use Display
- SCADA Interface

T&D

AREVA



FEATURES & BENEFITS

- Demand measurements indicate true loading for load planning and phase balancing purposes.
- All settings and peak demand/min/max values are stored in non-volatile memory without batteries. One push-button resets peak demand/min/max values. (3)
- Save panel space by using optional SCADA outputs (0-1mA on each phase).
- Field upgradeable design allows SCADA outputs to be added in the field without removing meters from service. Electronic modules can be removed from the front without de-energizing the instrument. CT circuits are not interrupted. (2)
- Full galvanic isolation on all inputs and state-of-the-art circuitry protects against damaging voltage transients.
- Heavy duty internal CT circuits are used on Amp demand meters to withstand fault currents.
- Push-button rescaling accommodates common ANSI CT & PT ratios. (1)
- Microprocessor-based circuitry does not require periodic calibration. (4)
- High contrast, extended temperature LCD displays are visible at wide angles on direct sunlight. (5)
- Backlit display option available for visibility in the dark. (see above)
- Gasketed, brushed aluminum case protects circuity against dust, humidity, and pests. (6)

All models available with optional backlit display or black anodized face-plate.

BITRONICS BRAND: THE ENGINEER'S CHOICE FOR ELECTRIC POWER MEASUREMENTS.

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The **Triple II Family** of products are manufactured at the Measurement Center of Excellence Bethlehem, PA USA
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