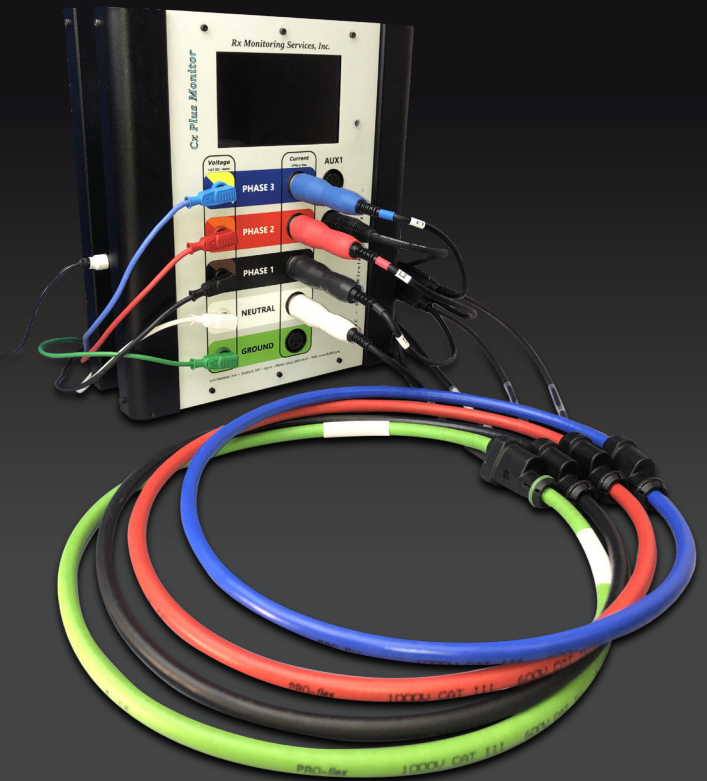


THE NEXT GENERATION OF POWER QUALITY MONITORS FROM RX MONITORING SERVICES, INC., FEATURING:

- 64 GB of memory
- 5" color touch screen
- 1,024 samples per cycle
- Smart battery technology ensures no lost data
- Interfaces with kWick Power's Intelligent Load Banks, making load testing, data collection & reporting faster and more accurate
- Add-on wireless devices available for
 - Battery cell monitoring for battery string discharge tests
 - DC current and voltage for monitoring DC bus, includes AC ripple
 - Temperature & Humidity, useful for Room Validation Tests
 - High Temperature probes for generator stack monitoring



GENERAL SPECIFICATIONS:

- Clock: Leap Year, 24 -Hour, with time zone info
- Real-time Clock Accuracy: +/- 1 sec / day max
- Synchronize time between Cx Plus Monitors +/- 10 mSec/day
- Internal Memory: Minimum 64 Gbytes high speed NAND Flash
- Wireless 802.11 gn Integration
- Two 10/100/1000Mbit Ethernet; SFTP, SMTP, HTTP, HTTPS, SSL, SSH, NTP
- Two USB Mass storage class supports
- Max number of events: Only limited by internal memory
- Power Requirements: 100V-240V ACrms +/-10 % 47-63 Hz 10Watts 24Vdc 0.5Arms Center positive barrel
- UPS stand by time: Programmable (Max time 20 Minutes)
- Dimensions: 11.5 x 10.25 x 4 Inches (Height x Width x Depth)
- Weight: 5.55lb

ENVIRONMENTAL & SAFETY

- Operating environment: Indoors
- Storage Temperature: -20°C to 50°C (-4F-122 F)
- Operating Temperature: 0°C to 40°C (32F-104F)
- Max Changes per hour temp: 30°C
- Operating Humidity: 80% Max Non-Condensing
- Conforms to IEC610 10 CAT III 600V

SYNCHRONIZATION & SAMPLING:

LOW FREQUENCY:

- Sampling Frequency: 1,024 samples/ cycle
- A/D Resolution: 18 bit oversampled voltage 2X; current 2X
- Auto 50/60 Hz; or locked to input
- Voltage & Current RMS triggers; Cross triggering
- Adaptable trigger thresholds High Frequency:
- 1.666Msample/sec per channel
- A/D Resolution: 14 bit

VOLTAGE & CURRENT MEASUREMENT:

LOW FREQUENCY:

- Voltage Measurement Range: 0-600Vrms
- Voltage multiplier ready for PT integration
- Voltage input impedance: 1 M Ω High Frequency
- Voltage Measurement Range: 0-2,500V
- Measurement type: AC coupled digital
- threshold trigger 500 sample buffer per channel
- Voltage input impedance: 1 M Ω
- Current Measurement Range (Probe dependent)
- Current input type: AC/ DC +/- 6Vdc Input impedance 120K, 1 M to ground

LOG TYPES & RATES:

RMS VOLTAGE / CURRENT:

- 1 Second to 30 Minutes
- 10 Voltage Channels Ph-Ph, Ph-G, Ph-N & N-G
- 5 Current Channels {L1-G, L2, L3, N & G}
- 1 Residual Current {L1-G+L2+L3+N}
- RMS Voltage Imbalance

FREQUENCY:

- 10 Seconds to 30 Minutes
- 3 Voltage {L1-G, L2-G, L3-G}

PERIPHERALS:

- 4 Seconds to 30 Minutes
- Up to 100 Probes
- Wireless DC Voltage +/- 0-600 V Auto Ranging
- Wireless DCx Voltage {10Ch - 60dc}
- Wireless DC Current {2,000A, 4,000A}
- Wireless Temperature/Humidity
- Wired Temperature/Humidity
- DCw {V, I, % Ripple, AC & DC}

POWER:

10 Seconds to 30 Minutes

3 PHASE DELTA

{Min/Max/ Average} Apparent Power (KVA), Real power (KW), Reactive (KVAR), Power Factor (PF), Total KVA, Total KW, Total KVAR, Total PF, Total KVAH, Total KWH, Total KVARH, Total Demand (KVA) and Total Demand (KW)

3 PHASE WYE - SPLIT PHASE - SINGLE POLE SINGLE PHASE

{Min / Max/ Average} Apparent Power (KVA), Real power (KW), Reactive (KVAR), Power Factor (PF), Total KVA, Total KW, Total KVAR, Total PF, Total KVAH, Total KWH, Total KVARH, Total Demand (KVA) and Total Demand (KW)

SINGLE PHASE (2 POLE)

{Min/Max/ Average} Apparent Power (KVA), Real power (KW), Reactive (KVAR), Power Factor (PF), Total KVA, Total KW, Total KVAR, Total PF, Total KVAH, Total KWH, Total KVARH, Total Demand (KVA) and Total Demand (KW)

HARMONICS:

10 Seconds to 30 Minutes

3 Ph-Ph, 3 Ph-G & 3 Current channels to the 31st.

THD:

10 Seconds to 30 Minutes

3 Ph-Ph, 3 Ph-G & 3 Current {Odd, Even, Total & Max}

PHASE ANGLE:

10 Seconds to 30 Minutes

3 Ph-Ph, 3 Ph-G

SYMMETRICAL COMPONENTS:

10 Seconds to 30 Minutes

Voltage & Current: Magnitude, Angle & Imbalance

VOLTAGE CURRENT & TIME ACCURACY:

V/I Calibrated at 72°F. TC = 0.003%/°F

LOW FREQUENCY:

- A/D Measurement type: True RMS calculated every half cycle
- A/D Measurement Uncertainty: AC +/- 0.1% reading +/- 0.1% full scale above 50Vrms
- DC +/- 0.1% reading +/- 0.1% full scale above 50Vdc
Offset Error: AC/DC: 0.05Vrms

HIGH FREQUENCY:

- A/D Measurement type: Sampled Threshold cross 500 sample buffer per channel
- A/D Measurement Uncertainty: AC +/- 5% reading
Offset Error: AC: 5V

CURRENT:

- A/D Measurement type: True RMS calculated every cycle
- A/D Measurement Uncertainty System:
- AC +/- 0.1% reading +/- 0.1% full scale above 50Arms
- DC +/- 0.1% reading +/- 0.1% full scale above 50Adc
Offset Error: AC/ DC: 1Arms

TIME:

10mSec/day calibrated at 72°F. TC= 100ppb/ °F