

RX-3X-A

Three-Phase Site Analyzing Standard

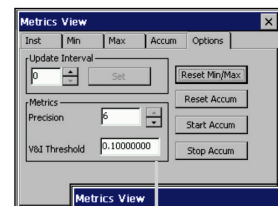
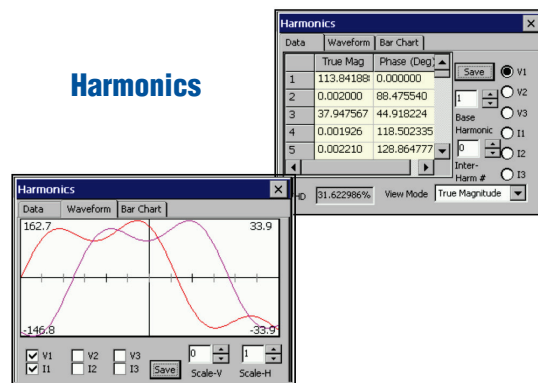




FEATURES

- Extremely accurate and trusted Radian Research Reference Standard
- Selectable accuracy classes
- Four quadrant measuring instrument for Active, Reactive, and Apparent power measurements
- Wide measuring range with autoranging potential and current inputs
- Analysis up to the 100th Harmonic with Intra-harmonics
- Standard RS-232 Serial communication, Bluetooth optional
- Data Storage and Transfer
- Lightweight and rugged
- Two Year Warranty
- Easily tested & certified
- Fully isolated transformer coupled inputs

Harmonics



Metrics

RX-3X-A

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The RX-3X-A Analyzing Standard brings precision measurements, normally associated with laboratories, to the meter site at a surprisingly affordable price. How is this possible? Radian has always designed state of the art precision measurement equipment with extreme high and low operating temperatures in mind – all site analyzers are tested at -20C to +70C. Couple precision measurement with ruggedness, throw PCSuite software automation into the mix, you have the premier RX Site Analyzing solution to meet the most demanding site measurement challenges.

PCSuite Highlights

CT Ratio Test

CT Ratio Testing

CT Setup | CT Run | CT View Results

Manufacturer: Default Manufacturer

Accuracy Class: 0.01

S/N: 12345

Ratio: 800 / 5 (Primary / Secondary)

Frequency (Hz): 60.0000000

Test Time (sec): 1.0000000

of Runs: 1

Tolerance (%):

Measure	Mean	STD
Prim. Current	689.713	0.000
Sec. Current	4.368	0.000
Phase Error	0.534	0.000
Ratio Error	0.013	0.000

Run Test | Save Report

Status: CT Test Complete! Test Status: PASS

Analog Sense Test

Analog Sense Testing

AS Setup | AS Run | AS View Results

Manufacturer: Default Manufacturer

S/N: 12345

Function: Volt

AS Factor: 150 / 1 Volt/mA

Test Time (sec): 1.0000000

of Runs: 1

Tolerance: 0.500

Measure	Mean	STD
Reference	120.310	0.000
Analog Sense	0.00068	0.00088
Difference	-0.00077	-0.00077
%Error	-0.09716	-0.09716

Run Test | Save Report

Status: AS Test Complete! Test Status: PASS

Configure Device | Metrics | Harmonics | Trend Charts

Vectors | Run Meter Test | Run Standard Test | CT Ratio Test

Analog Sense Test | Power Quality | Automation

Run Meter Test

Meter Test

DUT 1 | DUT 2 | DUT 3 | Run | View Results

DUT S/N: | Test By: Pulse

DUT Kh: 1.0000000 | Test Type: FL

Pulses / Kh: 1 | STD Elem: |

DUT Elem: 1 | Input: Total

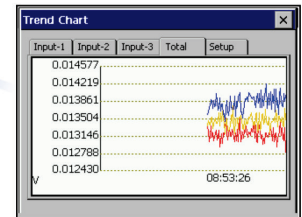
#Pulses: 5

Test Func: Wh

Meter S/N	Test	DUT 1	DUT 2	DUT 3	DUT 4
%Reg	99.984329				
%Error	0.015671				
Testing	Completed				
Metric	5.000784				

Run | Save

Trend Charts



Power Quality

Power Quality

Setup | Event Log | Analysis

Thresholds/Triggers

Sag (Vrms): 108.0000000 | Freq (Hz): 2.0000000

Swell (Vrms): 126.0000000 | Imbalance: 2.0000000

V-Transient: 200.0000000 | I-Transient: 10.0000000

V-THD (%): 5.0000000 | I-THD (%): 20.0000000

Noise (V): 1.5000000

Start | Save | Open

Time	Mag.	Duration	Type
1 16:48:56.186	90.229	0.657	Sag
2			
3			
4			
5			

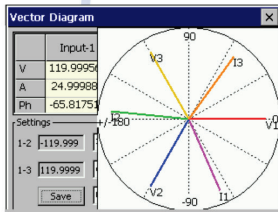
Phase1 | Phase2 | Phase3

Event: Sag

06/09/05 16:49:28

Axis: P1 | 0

Vector Diagram



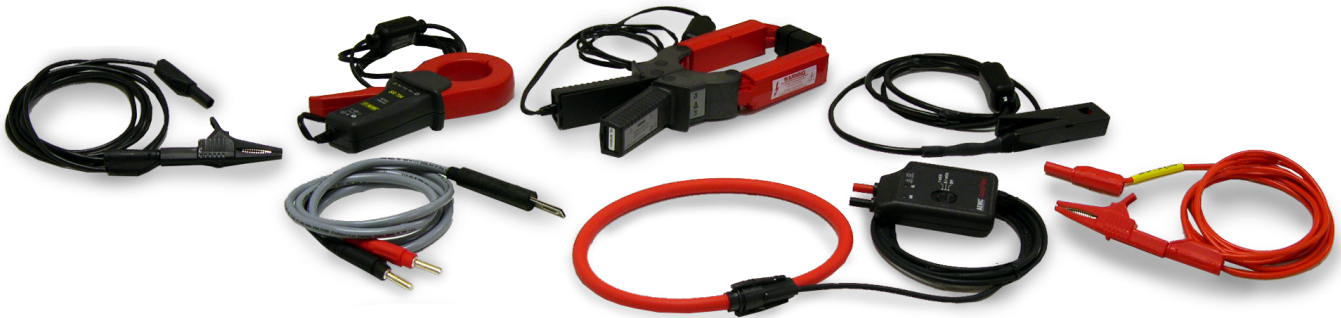
Specifications

RX-3X-A Analyzing Standard Measurement & Functionality Configurations

RX-30-PQ-A	Three Phase 200Amps 0.04%: Whrs, Volts, Amps, VARhrs, VAhrs, Watts, VARs, VA, Vhr, Ahr, V2hr, A2hr, Phase Angle, PF, Frequency. Min and Max & AVG. Supplied with DC Converter and power cord, 4mm Banana terminated Potential cables, Tilt stand, side mount handles, Operators Manual, spare fuses and cable locking adapters.
RX-30-PQ/AS-A	Three Phase 200Amps 0.04%: Whrs, Volts, Amps, VARhrs, VAhrs, Watts, VARs, VA, Vhr, Ahr, V2hr, A2hr, Phase Angle, PF, Frequency. Analog Sense, Min and Max & AVG. Supplied with DC Converter and power cord, 4mm Banana terminated Potential cables, Tilt stand, side mount handles, Operators Manual, spare fuses and cable locking adapters.
RX-31-PQ-A	Three Phase 200Amps 0.02%: Whrs, Volts, Amps, VARhrs, VAhrs, Watts, VARs, VA, Vhr, Ahr, V2hr, A2hr, Phase Angle, PF, Frequency. Min and Max & AVG. Supplied with DC Converter and power cord, 4mm Banana terminated Potential cables, Tilt stand, side mount handles, Operators Manual, spare fuses and cable locking adapters.
RX-31-PQ/AS-A	Three Phase 200Amps 0.02%: Whrs, Volts, Amps, VARhrs, VAhrs, Watts, VARs, VA, Vhr, Ahr, V2hr, A2hr, Phase Angle, PF, Frequency. Analog Sense, Min and Max & AVG. Supplied with DC Converter and power cord, 4mm Banana terminated Potential cables, Tilt stand, side mount handles, Operators Manual, spare fuses and cable locking adapters.
Dimensions	12"(300mm) H x 20"(508mm) W x 9.5" (241mm) D
Weight	27.5 lbs. (12.5kg) with out cables 31.3 (14.2kg) with standard cables

See RX-30 or RX-31 datasheets for more information.

Probes & Leads



Optional Cables, Clamps and Optics are available, please contact your Radian Representative to determine what accessories are right for you.

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WECO
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