

IVS-3/600P

Power Quality Recorder

Communications

Type: Serial Cable
Remote: Optional 14.4 kbps MNP-10 Modem

Mechanical Specifications

Dimensions: 6.5 in. X 6.5 in. X 4.25 in.

Weight: 5.0 lbs

Case: NEMA 4X

Capacity

Summary Data: Over 1 year
Event Data: 500 records
Significant Change Data: 1000 records
Flicker Data: 1000 records

Electrical Specifications

Inputs:

AC Voltage: 0 to 600 VAC
AC Current: 0 to 10, 100, 1000, 5000 amps
Sample Rate: 256 samples/cycle
Voltage: 3 channels
Current: 3 channels

Local Output:

Type: Wide Temperature Range LCD
Size: 4 by 20 character
Interface: Menu Driven
PDA: Palm™ platform (optional)
Measures: Volts, Amps, Watts, VAs, VARs, Degrees, Watts/VA, phase angle, kWh, kVARh, kVAh

Accuracy:

Voltage: 0.33% of full scale
Current: 1.0% of full scale
Power: 1.0% of full scale
Phase Angle: 1.0 degree
Power Factor: ± 0.02
Displacement Power Factor: ± 0.02

Display Resolution:

Voltage: 1.0V/0.5V
Current: 1.0A/0.1A
Power: 20W/20W
VAR: 20VAR/20VAR
VA: 20VA/20VA
Phase Angle: 1 degree/1 degree
Power Factor: 0.01/0.01
Displacement Power Factor: 0.01/0.01
Power Usage: 0.001kWh/0.001kWh

Controls:

Stripchart Settings: 1 second to 4 hrs
Significant Change: 1V to 8V, in 1V steps
Flicker Settings: User defined or standard
Battery Voltage Check: Automatic
Keypad: 4 key membrane

Harmonics:

Voltage/Current: measures to the 51st
Measures: magnitude, phase, THD

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Environmental

Operating Temperature: -20 to 135 degrees F
Vibration: 10 Hz to 60 Hz, Amplitude 1.8 mm

Battery Ride Through

The device operates with no input voltage for more than 1/2 hour. This allows it to measure down to 0 volts on all channels during power outage periods.



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