

# 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



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### 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.