The 2553 Power Analyzer features the ideal combination of precision, speed and ease-of-use in an instrument so economical it can be on every bench.

The six-key front panel has four ‘soft’ keys with menus that simplify the selection of measurements. In addition to numerical results, the 2553 captures waveforms with 200-point precision. These waveforms can be displayed or directly output at full resolution to a PCL printer. Power and amplitude measurements with a base accuracy of 0.1% are automatically synchronized to the fundamental frequency. Peak measurements of voltage, current and power include continuous, inrush and history modes plus an accumulation mode for W-Hr, A-Hr, and VA-Hr.

> Low Cost/High Performance
> Measures and displays power, frequency, harmonics, THD, CF, K-Factor, Triplens & Inrush
> Up to 1500 volts peak, 40 amps peak internally & up to 10,000 amps with the use of External Current Transducers
> DC and 20mHz - 80kHz Frequency Range
> Graphics Display shows numerical results, waveforms, bar graphs & history plots
> 16-bit A-D takes up to 220k samples/second
> Simple 6-key user interface
> PCL/Text Printer output, IEEE488 interface included
> 1ø2W, 1ø3W, 3ø3W and 3ø4W configurable using the same wiring

Quality and Reliability
Vitrek, founded in 1990, is the premier source of precision power testing and measuring equipment for industrial and consumer product development and manufacturing. Vitrek’s sophisticated technology provides companies the edge in design verification and product manufacturability.

25 Years Industry EXPERTISE

INDUSTRIES SERVED
• Automotive • HVAC • Power Quality Monitoring • Power Supply Manufacturers • Process Control • Magnetics
2553 Three-Phase
General Purpose Power Analyzer

Test Like You MEAN IT

Condensed Specifications
(Contact Vitrek for complete specifications)

**Voltage:** Range 950Vpk, 400Vpk, 1500Vpk (see ordering information)

**Internal Current:** Range 8Apk, 40Apk (see ordering information)

**External Current Transducers** (Option E only)

- **Current:** Continuous, 5Apk measurable
- **Voltage:** 25Vpk for 50ms, 2.5Vrms measurable

**Scaling (In=Out):**
- +0000.00A = 00.0000A
- +\(-9999.99A = 9999.99A
- +0000.00V = 00.0000V
- +\(-9999.99V = 9999.99V

**RESOLUTION**
0.05% of range

**VOLTAGE & CURRENT ACCURACY**
(See chart to left)

**FREQUENCY MEASUREMENT**
20 mHz to 80 kHz, 0.01%

**CREST FACTOR**
- **RANGE:** 1 to 99
- **ACCURACY:** from peak results

**HARMONIC AND SPECTRUM ANALYSIS**

**FREQUENCY RANGE:** 20 mHz to 50 kHz

Typical accuracy at line frequencies of 50/60 Hz:
- **THD:** 0.1% Harmonic: 0.05% Phase: 0.1°

**WAVEFORMS**
Actual, Peak Capture and Distortion content

**HISTORY**
V&A (rms, peak, envelope, THD), Watts, VAR, PF User-selectable time base from 400 msec/div to 1 day/div Resolution 1/20 division

**PHYSICAL**

- **POWER INPUT:** 80-265 Vrms autoselect, 40 - 400 Hz @ 25 VA max
- **SIZE:** (HxWxD) 4-1/2” x 11-1/2” x 10-1/2”
- **WEIGHT:** 8 lbs
- **OPERATING RANGE:** 0°C to 45°C, <85% RH @ 40°C non-condensing
- **STORAGE RANGE:** -30°C to 65°C <95% RH @ 40°C non-condensing

**Digital interfaces (standard)**
- IEEE488.1: Full talk/listen capabilities
- Parallel: IEEE1284, unformatted text or PCL compatible

Unit is supplied with one VitrekT5 universal external power supply, 100-240Vrms, 50-60Hz, with a 2.5mm 12VDC output plug and a three prong IEC320 AC inlet receptacle, plus a three-prong AC power cord.

**WARRANTY**
Two Years

Please visit www.vitrek.com for ordering information.