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Find the *Vitrek 930i* at our website: ***Click HERE***

930i Ground Integrity Analyzer



The Ultimate in Ground Bond Analyzer Performance

Speed, Flexibility & Value

At Vitrek, we believe that your investment in safety compliance equipment is an important one. The 930i Ground Integrity Analyzer is a case in point. The output current is fully user selectable from 3 to 30 amperes. So whether you're testing to a UL spec at 25 amps today or an IEC spec at 30 amps tomorrow, you can be sure that your Vitrek will stand up to the test for years to come.

In fact, all test parameters of the 930i are fully programmable-output current, frequency, resistance limits and test duration. And whether you're running the 930i from its password protected test database or via computer control, ground bond testing has never been simpler or faster.

Measurement Confidence That is Second to None

To provide unparalleled accuracy, the Vitrek 930i employs a state of the art high speed, 4-channel, 16 bit analog to digital converter. The 930i simultaneously tracks and controls the output current, while measuring voltage drop across the load, and monitoring the status of both power supply and output amplifier.

The four-wire Kelvin configuration eliminates lead resistance errors to provide measurement repeatability down to 10μΩ. Performance that the other units cannot begin to match.

Seamless Test Integration

The 930i works hand-in-hand with Vitrek hipot testers so that dielectric testing and ground bond testing can be accomplished from a single set up. The results are automatically integrated into a unified test report with overall pass/fail status as well as step-by-step results with final values.

Providing confidence in every test you make is our job. Isn't it time to put the unrivaled performance of the 930i to work for your team?

- 3 to 30 amp test current - meets a wide variety of regulatory test specifications
- Password protected test routine storage
- Frequency synthesis 50-400Hz
- 10μΩ resolution - more measurement confidence and repeatability
- 4-wire Kelvin sensing - eliminates lead resistance errors
- Fully programmable via front panel, hipot or computer control
- Hipot and ground test from one set-up
- High speed test throughout with actual measurement values
- Display prompted setup - easy to use, fully adjustable
- CE mark certified to EN 61010
- Made in the U.S.A.
- 5 Year extended warranty

VITREK

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930i Ground Integrity Analyzer

Alternating Current Output

Range: 3 to 30 amperes RMS, programmable
Resolution: 1 amp
Output Frequency: Sinewave synthesis, 50Hz to 400Hz
Compliance Voltage: 3 volts RMS
Regulation: ± 0.25% no load to full load

Resistance Measurement

Resistance Limit: User programmable max. and min. Test is automatically aborted when limit is exceeded
Resistance Range: 1Ω at 3 amps linearly decreasing to 100 mΩ at 30A
Resistance Resolution: 10μΩ
Measurement Accuracy: ± 1.0% of reading; ± 0.5% of range
Accuracy: Specifications apply for 1 year, ± 5°C from the cal temp within 20°C to 30°C
Calibration: Certificate of calibration traceable to the National Institute of Standards and Technology (NIST) provided
Test Time: Digital count down timer, programmable 1 to 9999 seconds
Terminal Configuration: True four-wire kelvin

General Specifications

Remote Interface: VICL and serial com standard. PLC optional
Display: 40 character dot matrix illuminated liquid crystal display
Indicators: L.E.D. status indicators
Alarm: Audible and visual alarms provide pass/fail indication
Diagnostics: Built-in self diagnostics test ROM, RAM and output system
Safety: CE mark certified to EN61010
Accessories: K-2, VIC-3, BBL-2 and operators manual supplied with unit
Warranty: Extended 5 year parts and labor with annual factory calibration and maintenance. Standard warranty one year
Operating Temperature: 0°C to 50°C
Humidity: 90% RH 0°C to 40°C
Power: 115/230 VAC ± 10% 250 VA max
Dimensions: 89mmH x 432mmW x 457mmD (3.5"H x 17"H x 18"D)
Weight: 11Kg (24 lb.) Net/15Kg (34 lb.) shipping

Ordering Information

Vitrek 930i Automatic Ground Integrity Analyzer . . . . . .

TL115HC Outlet Test Adapter . . . . . .

K-4 4-wire 4-clip 30A lead set. . . . . .

K-2 4-wire 2-clip 30A lead set. . . . . .

RM-1 Rack Mount Adapter Kit . . . . . .

PLC-3 Logic Level Interface . . . . . .

RS-1 RS232 Cable 6 ft. . . . . .

VIC-3 930i to 944i 2 Meter Communication Cable. . . . . .

OM-930 Extra Operators Manual. . . . . .

Represented by:



The 930i shown here with the Vitrek 944i Dielectric Analyzer and TL-115HC Test Adapter. These two units in tandem provide hipot and ground bond test capability from the touch of a single button.

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Prices and specifications subject to change without notice.
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