

Viso LabAnalyzer is an advanced AC and DC power analyzer that complies with light measurements standards (IES LM-79 and CIE S 025). LabPower fully integrates with your Viso light measurement system and software, and facilitates remote sensing (measuring directly at light source terminals)

## Advantages

LabAnalyzer keeps track of your power consumption in every detail. It is both easy to install and to use, and provides precise power measurements for both AC and DC. The internal display includes advanced harmonics analysis, power graphics, power factor and displacement factor.

Get all results directly into your light measurement file through the USB connection.

It has a versatile measurement range (up to 100 kHz, 2-450 VAC/DC, up to around 2000 W), and a sample rate of 2 mio samples per second.

## Two models

### Standard

Steady power

### Sensor sync version

Steady and pulsed power (revolutionary) dedicated to measuring strobe lights through Viso sensor synchronisation

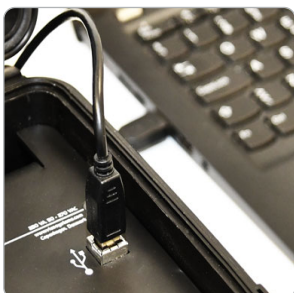


- Dedicated Viso AC/DC power analyzer
- Full integration with any Viso light measurement system
- Complies with CIE S 025/ IES LM-79 requirements
- **Sensor sync version: measure strobing light sources as easily as other light sources**
- Versatile measurement range (up to 100 kHz, 2-450 VAC/DC, up to around 2000 W)
- Real-time readout on built-in display
- Remote sensing feature for optimal accuracy

The built-in display provides lots of live data and live AC voltage/current curves



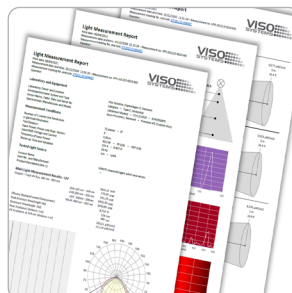
Connects to your PC with USB-C cable. All data is transferred directly to the software



Remote sensing option to avoid effects of voltage drops in cables (separate sense leads included)



Seamless integration with PDF reporting: All feed specs and results can be included in reports



# SPECIFICATIONS

The LabAnalyzer is a combined AC and DC power analyzer.  
It is fully integrated with Viso Light Inspector Software

## Physical dimensions

Dimensions (L x W x H)	270 x 220 x 105 mm
Weight	2 kg

## Power supply (Display and analyzer circuit)

Input supply voltage	AC: 90-280 VAC 50/60 Hz
Power draw	10 W

## Prerequisites for power analyzer accuracy

Device Under Test Voltage	5 – 450 VAC / 5 – 380 V DC
Device Under Test Current	<14A peak and 1mA – 7A RMS.
Ambient Temperature	25 ± 1.2 C

## Power Analyzer Specifications

Analyzer Frequency Range	up to 100 kHz
Calibration uncertainty, voltmeter/ammeter	<0,2%
Calibration uncertainty, power meter	<0,5%
Voltage Accuracy	0.2% of reading + 0.2% of range
Current Accuracy	0.3% of reading + 0.3% of range
Voltage AC peak ranges (Crest factor = 3 dB)	6 V / 12 V / 25 V / 51 V / 103 V / 206 V / 413 V / 826 V
Current AC peak ranges (Crest factor = 3 dB)	3 mA / 7 mA / 15 mA / 30 mA / 60 mA / 128 mA / 257 mA / 515 mA / 1 A / 2 A / 4.1 A / 8.2 A / 16.5 A
Voltage range	2-500 V RMS AC / 2-700 V DC
Power range AC	0.05 W to 1700 W @240 VAC / 850 W @120 VAC
Power range DC	0.05 W to 1700 W @240 VDC / 850 W @120 VDC / 170 W @24 VDC / 85 W @12 VDC
Measurement Bandwidth	200 kHz
Sample rate	2 MS/s
Output curve sample rate	125 KS/s
Measurement Parameters	Voltage, current, active power, apparent power, power factor, displacement factor.
Current sense series resistance	0.05 Ω
Voltage internal sense parallel impedance	2 MΩ
Voltage external sense parallel impedance	2 MΩ
Remote sensing function	Included (Max. test circuit resistance 0.5 Ω, Max. test circuit capacitance 1.5 nF)



## Software

Connection	USB connection to Viso Light Inspector software
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## About measuring strobe lights

The LabAnalyzer synchronizes LabSensor measurements with power pulses. This makes it possible to accurately measure a continuously flashing light source. The system measures the details of the flash waveform, peak voltage, amps and intensity, period length, number of flashes per period, flash lengths and interval lengths, etc. This is done by synchronizing the sensor integration time with the power readings, which is a new, revolutionary system. Never before has it been so easy to measure strobes.

