

YOUR ONE-STOP PRODUCT SAFETY SHOP™



Digital Power Analyzers

2100 & 2101 AC-DC Wideband Digital Power Analyzers

Specifications

Model 2100 Range/Resolution Table

True RMS Voltage	True RMS Current		
	.2000A	2.000A	20.00A
150.00V	30.00W	300.00W	3000W
300.0V	60.00W	600.0W	6000W
600.0V	120.00W	1200.0W	12000W
True WATTS			

Model 2101 Rang/Resolution Table

True RMS Voltage	True RMS Current		
	.2000A	2.000A	20.00A
30.00V	6.000W	60.00W	600.00W
150.00V	30.00W	300.0W	3000W
300.0V	60.00W	600.0W	6000W
True WATTS			

Performance Specifications (Both Models)

AC/DC VOLTAGE and AC/DC CURRENT (True RMS)

Accuracy: (Voltage and Current)

DC & 40Hz to 5KHz: ±0.1% of reading ±6 digits

5KHz to 15KHz: ±0.5% of reading ±6 digits

15KHz to 20 KHz: ±0.75% of reading ±6 digits
useable to 50KHz with typically 1% error per 10KHz

Crest Factor Response: 50:1 for minimum RMS input,
linearly decreasing to 2.5:1 for full scale RMS input.

Minimum Input: 5% of range.

Maximum Input: 600V DC or RMS AC, 1500V peak

Maximum Common Mode: 1500V peak, neutral to earth

Peak Indicator: Illuminates at 2.5 x full scale

Maximum Input: 35A peak, 20A DC or RMS; 100A DC or RMS for 16mS without damage.

Overrange: 150% of full scale for DC, up to maximum input

WATTS (True Power- $E I \cos \theta$)

Accuracy: 25°C ± 5°C, 1 year

DC & 40Hz to 5KHz: 0.25% of reading ±6 digits

5KHz to 10KHz: ±0.5% of reading ±0.5% of range

10KHz to 20KHz: ±1% of reading ±1% of range (2A range only)

20KHz to 50KHz: additional ±1% per 10KHz above 20KHz

Power Factor Response: Unity to zero leading or lagging

General Specifications

Displays: Dual 4½ digit large, high intensity, 7 segment L.E.D.

Operating Temperature Range: 0°C to 50°C

Temperature Coefficient: ± .025% of range per °C from 0°C to 20° C and 30° C to 50° C

Conversion Rate: Approximately 600mS (1 per second)

Power: 115/230 VAC ± 10%, 50-60Hz, 5 Watts

Size: 23.5 cm L x 21.6cm W x 6.4cm H (9.25" x 2.5" x 8.5")

Weight: 2.3kg (5lbs) Net, 4.5kg (10lbs.) Shipping

Load Connection: 4 Terminal heavy duty binding posts

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