

Microwave PNA Series

General information

Description	Supplemental information
System IF bandwidth range	1 Hz to 40 kHz, nominal
RF connectors	
E8362B	3.5 mm (male), 50 Ω , (nominal), center pin recession flush to .002 in. (characteristic)
E8363/4B	2.4 mm (male), 50 Ω , (nominal), center pin recession flush to .002 in. (characteristic)
E8361A	1.85 mm (male), 50 Ω , (nominal), center pin recession flush to .002 in. (characteristic)
Display	8.4 in diagonal color active matrix LCD; 640 (horizontal) x 480 (vertical) resolution; 59.83 Hz vertical refresh rate; 31.41 Hz horizontal refresh rate
Display range	
Magnitude	± 200 dB (at 20 dB/div), max
Phase	$\pm 500^\circ$, max
Polar	10 pico units, min; 1000 units, max
Display resolution	
Magnitude	0.001 dB/div, min
Phase	0.01 $^\circ$ /div, min
Marker resolution	
Magnitude	0.001 dB, min
Phase	0.01 $^\circ$, min
Polar	0.01 mUnit, min; 0.01 $^\circ$, min
CPU	Intel [®] 500 MHz Pentium [®] III
Line power (A third-wire ground is required)	
Frequency	50/60/400 Hz
Voltage	120/240 VAC (Power supply is auto switching.)
Max	500 Watts
General environmental	
RFI/EMI susceptibility	Defined by CISPR Pub. 11, Group 1, Class A, and IEC 50082-1
ESD	Minimize using static-safe work procedures and an antistatic bench mat
Dust	Minimize for optimum reliability
Operating environment	
Temperature	0 $^\circ$ C to +40 $^\circ$ C; Instrument powers up, phase locks, and displays no error messages within this temperature range. (Except for 'source unlevelled' error message that may occur at temperature outside the specified performance temperature range of 25 $^\circ$ C, ± 5 $^\circ$ C.)
Error-corrected temperature range	System specifications valid from 23 $^\circ$ C, ± 3 $^\circ$ C, with less than 1 $^\circ$ C deviation from the calibration temperature
Humidity	5 to 95% at +40 $^\circ$ C
Altitude	0 to 4500 m (14,760 ft)

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General information *continued*

Description	Supplemental information		
Non-operating storage environment			
Temperature	-40 °C to +70 °C		
Humidity	0 to 90% at +65 °C (non-condensing)		
Altitude	0 to 15,240 m (50,000 ft)		
Cabinet dimensions			
	Height	Width	Depth
Excluding front and rear panel hardware and feet	267 mm 10.50 in	426 mm 16.75 in	427 mm 16.80 in
As shipped - includes front panel connectors, rear panel bumpers, and feet.	280 mm 11.00 in	435 mm 17.10 in	470 mm 18.50 in
As shipped plus handles	280 mm 11.00 in	458 mm 18.00 in	501 mm 19.70 in
As shipped plus rack mount flanges	280 mm 11.00 in	483 mm 19.00 in	470 mm 18.50 in
As shipped plus handles and rack mount flanges	280 mm 11.00 in	483 mm 19.00 in	501 mm 19.70 in
Weight			
Net	29 kg (64 lb), nom.		
Shipping	36 kg (80 lb), nom.		