

Energy & Power Analysis
Research & Development



PNA-600 Power Network Analyzer

The Power Network Analyzer for all this:

- Power monitor
- Recorder
- Vector scope
- Harmonics analyzer
- Interharmonics analyzer
- Oscilloscope
- Flicker meter
- Transient recorder
- Control signal detection
- Asymmetry monitor
- Alarm module
- Disturbance detection according to EN 50160
- Data recorder with additional acquisition module

The PNA-600's short height (6 cm / 2.4 inch) allows installation in switching cabinets; and the dust and splash water proof (IP65), and the cushioned edges provide superior system protection. The user interface is a touchscreen that can be removed when the system is running. The PNA-600 withstands the harshest environments. To save space, all connectors are located on one side of the system. The PNA-600: designed for the FIELD ENGINEER!

...the precision signal conditioning company

worldwide
DEWETRON
Power Quality Division

Technical specifications

PNA-600 Power Network Analyzer	
Voltage input	
Input ranges L1 - L3	50, 100, 300, 600 V
Input range N	5, 10, 50, 100 V
Bandwidth	10 Hz to 50 kHz
Overvoltage protection	1 kV cont.
Input resistance	1 MOhm, 5 pF
Isolation voltage	6 kV
Accuracy	< 0.5 %
Connection	1 phase, 3 phase, 3 phase with N, star-, triangle- and Aron connection
Transient load	10 kV/µs
Safety	600 V, CAT III, pollution 2
Current input	
Input range	up to 3000 A AC (L1 - L3 und N), for Ampflex or current clamps
Accuracy	< 0.5 %, depending on converter
Safety	600 V, CAT III, pollution 2
Environmental	
Temperature (T.op)	-20 to +50 °C
Temperature (T.store)	-30 to +80 °C, UV resistant
Humidity	10 to 90 %, non condensing
Case enclosure	rugged, isolated plastic case
Dimensions (W x D x H)	310 x 340 x 60 mm (12.2 x 13.4 x 2.4 in.)
Weight	typ. 5 kg (10 lb.)
Measurement	
Memory	128 MB RAM
Processor	Intel Pentium®
Display (option)	external 10.4" display, touchscreen interface
Interface	USB, RS-232, Ethernet
Power supply	85 to 265 VAC, 47 to 63 Hz
Power consumption	typ. 35 VA
Conforming to	
Safety	IEC 61010-1, 600 VAC, RMS, CAT III, pollution 2 IP65 dust and splash proof
EMC	EN 50082-2 industrial norm
Vibration	MIL-STD 810F 514.5, procedure I
Shock	MIL-STD 810F 516.5, procedure I
Analysis procedures	EN 50160 IEC 61000-2, IEC 61000-3, IEC 61000-4 EN 61000-4-30 (preliminary document)
Options	
GPS time module, DCF-77 time module, printer, analog modem, ISDN modem, USV, PAD-Box, external touchscreen display star- and triangle connection cable	

Overview and options



PNA-600:
4 channels for
voltage and current



PNA-600:
all important
interfaces integrated



PNA-600-ED:
external touch-
screen display (opt.)



PNA-PAD-BOX:
16 channel data
logger expansion



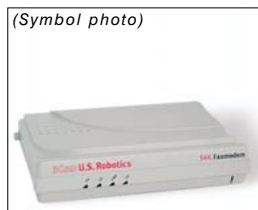
PNA-PRINTER:
report printer
(Symbol photo)



PNA-600-FLEX-xxx:
flexible current con-
verter up to 3000 A



PNA-600-CLAMP:
AC current clamp for
5 A or 20 / 200 A



PNA-600-MODEM:
external modem
(Symbol photo)



PNA-600-GPS:
GPS antenna



PNA-600-DCF77:
DCF77 radio clock
receiver

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