

# E/NTES



## MPR-3 Series New Generation Mini Network Analyzers

MPR-3 Series **panel type** mini network analyzers are developed for panels **where mounting space matters** and they are compact solutions for detailed measurement and analysis of electrical parameters.

**Occupies less space** with its **72 x 72 x 50 mm dimensions** used in applications such as UPS, machine control panels, security control rooms, information processing and system control rooms.

Real-time monitoring is possible via **LCD screen**. Thanks to **the communication feature** of MPR-3 Series, energy measurements can be monitored easily from a single monitoring center.

MPR-3 Series can detect the status of devices in the field with digital inputs and outputs, therefore provides control of breakers, switches, contacts, etc.

- Compact design for panels where area is a problem
- 2,6" segment LCD screen
- 72 x 72 x 50 mm compact dimensions
- 256 event log
- Compatible with **plug & meter** current transformers
- Detection of connection errors



## SPECIFICATIONS

	MPR-32	MPR-34-11	MPR-34S-11	MPR-34-20	MPR-34S-20	MPR-34S-11-PM
<b>ENCLOSURE</b>						
Dimensions	72x72x50 mm					
Protection Class	Terminals: IP20, Front: IP51 (optional IP54)					
Display	2,6" Segment LCD					
<b>MEASUREMENT</b>						
<b>Voltage</b>						
Measurement Range	10-300 VAC (L-N), 10-480 VAC (L-L)					
Measurement Range with VT	10V - 999 kV					
Accuracy	0.5%± 1 Digit					
Input Impedance	1,8 MΩ					
Burden	<0,5 VA					
<b>Current</b>						
Nominal Current	In: 5A / 1A					
Minimum Current	5 mA					
Measurement Range	50 mA - 5,5 A					
Measurement Range with CT	50 mA - 10.000 A					
Accuracy	0.5% ± 1 Digit					
Burden	< 1 VA					
Overload Current	1,2 x In					
Short Time Overload (1 sec)	10 x In					
<b>Power / Energy</b>						
Active Power	0 - 1 GW; 1% ± 1 Digit					
Reactive Power	0 - 1 GVA; 2% ± 1 Digit					
Apparent Power	0 - 1 GVA; 1% ± 1 Digit					
Power Factor	± 1.00; Accuracy ± 0,02					
Active Energy	0 - 99 999 999 kWh or MWh; Accuracy 1% (Class 1)					
Reactive Energy	0 - 99 999 999 kVAh or MVAh; Accuracy 2% (Class 2)					
Apparent Energy	0 - 99 999 999 kVAh or MVAh; Accuracy 1% (Class 1)					
Total Harmonic Distortion	-	L - L Voltage (%THD-U); L - N Voltage (%THD-V); Current (%THD-I)				
Demand Period	1,5,10,15,20,30,60 min					
Frequency	45-65 Hz					
Sampling Rate per Period	128					
<b>SUPPLY</b>						
Operating Voltage	95-270 VAC/DC					
Operating Frequency	50/60 Hz					
Power Consumption	< 5 VA					
<b>COMMUNICATION</b>						
Interface / Protocol	-	RS 485 / Modbus RTU	-	RS 485 / Modbus RTU		
Transfer Rate	-	2400 - 115200 bps	-	2400 - 115200 bps		
<b>INPUTS and OUTPUTS</b>						
<b>Digital Input</b>						
Quantity	-	1		2		1
Operating Voltage	-	5...30 VAC/DC				
Switching Current	-	max 50 mA				
<b>Digital Output</b>						
Quantity	-	1		-		1
Supply Voltage	-	5-30 VDC (Open Collector)				
Pulse Width	-	20 - 1000 ms				
Pulse Duty	-	20 - 1000 ms				
<b>CONNECTIONS</b>						
Mounting Type	Front panel					
Connection Terminals	Screw terminal with socket					
Connection Types	3P4W, 3P3W, 3 Phase Aron, 3P4W (balanced), 3P3W(balanced)					
<b>AMBIENT CONDITIONS</b>						
Ambient Temperature	-10 / + 70°C					
Storage Temperature	-20 / + 80°C					
Overvoltage Category	III					
Pollution Degree	II					
Maximum Ambient Humidity	95%					
<b>STANDARDS</b>						
Standards	EN 61326-1, EN 61557-12, EN 62053, EN 61010-1, EN 61000-6-2, EN 61000-6-4, EN 55011, EN 60068-2					

Compatible with x/333 mV and ENTES plug meter current transformers.

## HEADQUARTERS

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