

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
ENCLOSURE						
Dimensions	72x72x50 mm					
Protection Class	Terminals: IP20, Front: IP51 (optional IP54)					
Display	2,6" Segment LCD					
MEASUREMENT						
Voltage						
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					
Current						
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					
Power / Energy						
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					
SUPPLY						
Operating Voltage	95-270 VAC/DC					
Operating Frequency	50/60 Hz					
Power Consumption	< 5 VA					
COMMUNICATION						
Interface / Protocol	-	RS 485 / Modbus RTU	-	RS 485 / Modbus RTU		
Transfer Rate	-	2400 - 115200 bps	-	2400 - 115200 bps		
INPUTS and OUTPUTS						
Digital Input						
Quantity	-	1	-	2	-	1
Operating Voltage	-	5...30 VAC/DC				
Switching Current	-	max 50 mA				
Digital Output						
Quantity	-	1	-	-	-	1
Supply Voltage	-	5-30 VDC (Open Collector)	-	-	-	5-30 VDC (Open Collector)
Pulse Width	-	20 - 1000 ms	-	-	-	20 - 1000 ms
Pulse Duty	-	20 - 1000 ms	-	-	-	20 - 1000 ms
CONNECTIONS						
Mounting Type	Front panel					
Connection Terminals	Screw terminal with socket					
Connection Types	3P4W, 3P3W, 3 Phase Aron, 3P4W (balanced), 3P3W(balanced)					
AMBIENT CONDITIONS						
Ambient Temperature	-10 / + 70°C					
Storage Temperature	-20 / + 80°C					
Overvoltage Category	III					
Pollution Degree	II					
Maximum Ambient Humidity	95%					
STANDARDS						
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 ENTESE plug & meter current transformers.

HEADQUARTERS

Address: Dudullu OSB; 1. Cadde; No: 23 34776 Umraniye - ISTANBUL / TURKIYE Tel: +90 216 313 01 10 Fax: +90 216 314 16 15 Sales Fax: +90 216 365 71 71
E-mail: contact@entes.eu Web: www.entes.eu Call Center Technical Support: 0850 888 84 25 Coordinates: 40,995852 N, 29,178398 E

INTERNATIONAL BRANCH OFFICES

ISTANBUL : contact@entes.eu Tel: +90 216 313 01 10 Fax: +90 216 314 16 15
INDIA : contact@entes.in Tel: +91 981 - 2980004
GREECE : contact@entes.eu Tel: +30 2310 706999 +30 2310 707296
GERMANY : kontakt@enteselektronik.com Tel: +49(0) 7022-931992-0

© ENTES Elektronik Cihazlar İmalat ve Ticaret A.Ş.

