

MPR-2 Series

New Generation Network Analyzers

MPR-2 Series **DIN type** network analyzers are designed for detailed measurement and analysis of electrical parameters. Real-time monitoring is supported via **LCD screen.**

Thanks to **the communication feature** of devices, energy measurements can be monitored from a single monitoring center.

MPR-2 series can detect the status of devices in the field with digital inputs and provide control of devices (breakers, switches, contacts, etc.) with digital outputs and relays.

- DIN rail mounting
- 2.1" segment LCD screen
- 256 event record
- 4 MB memory and LOG record
- Detailed measurement up to 51 harmonics
- Current & voltage unbalanced measurment
- Detection of connection errors
- Compatible with plug&meter current transformers

SPECIFICATIONS

	MPR-24	MPR-25S-22	MPR-26S-21	MPR-27S-23	MPR-26S-21-PM	MPR-24S-PM	MPR-24-PM
ENCLOSURE							
Dimensions	DIN4 Rail Mounting						
Protection Class	Terminals: IP20, Front: IP40						
Display	2,1" Segment LCD						
MEASUREMENT							
Voltage							
Measurement Range	10-300 VAC (L-N), 10-480 VAC (L-L)						
Measurement Range with Voltage Transformer	10 V - 999,9 kV						
Accuracy	0.5% ± 1 Digit						
Input Impedance	> 1 MΩ						
Burden	< 0,5 VA						
Current							
Nominal Current	In: 5A / 1A				Compatible with x/333 mV and ENTES plug&meter current transformers.		
Minimum Current	5 mA						
Measurement Range	50 mA - 5,5 A						
Measurement Range with Current Transformer	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 GVAr ; 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 kVArh or MVArh; Accuracy 2% (Class 2)						
Apparent Energy	0 - 99 999 999 kVAh or MVAh; Accuracy 1% (Class 1)						
Tariff	-	8				-	
Total Harmonic Distortion	-	L - L Voltage (%THD-U); L - N Voltage (%THD-V);Current (%THD-I)				-	
Individual Harmonics	-		2-51 Voltage (V) and Current (I)			-	
Voltage and Current Unbalances	-		•			-	
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 (12-50 VDC for MPR-2X-D series)						
Operating Frequency	50/60 Hz						
Power Consumption	< 6 VA						
COMMUNICATION							
Interface / Protocol	-	RS 485 / Modbus RTU					-
Transfer Rate	-	2400 - 115200 bps					-
MEMORY							
Internal Memory Size	-	4 MB					-
INPUTS and OUTPUTS							
Digital Input							
Pulse Width	-	20 - 500 ms				-	
Operating Voltage	-	5...30 VAC/DC				-	
Switching Current	-	max 50 mA				-	
Digital Output							
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	-		
Relay Output							
Relay Output	-		1 NO, 250 VAC / 5 A	-	1 NO, 250 VAC / 5 A	-	
Analog Output							
Current Output	-			0 - 20 mA, 4 - 20 mA, 0 - 24 mA	-		
Voltage Output	-			0 - 5 V, 0 - 10 V, ± 5 V, ± 10 V	-		
CONNECTIONS							
Mounting Type	Rail Mounting						
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	90%						
STANDARDS							
Standards	EN 61557-12, EN 61326-1, EN 61000-6-2, EN 61000-6-4, EN 62053, EN 60068, EN 61010						

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