



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 **large graphic 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 outputs, therefore provides control of breakers, switches, contacts, etc...

- DIN rail mounting
- 2,1 inch graphic screen
- Detailed measurement up to 51 harmonics
- Current/voltage unbalance measurement
- Detection of connection errors
- Compatible with **plug&meter** current transformers



SPECIFICATIONS

	MPR-24PM/MPR-24	MPR-25S-22	MPR-26S-21	MPR-27S-23	MPR-28S-32	MPR-26S-21-PM
ENCLOSURE						
Dimensions	DIN4 Rail Mounting					
Protection Class	Terminals = IP20, Enclosure Protection Class = IP40					
Display	2,1 inch LCD screen					
MEASUREMENTS						
Voltage						
Measurement Range	10-400 VAC (L-N) 10 - 690 VAC (L-L)					
Measurement Range with Transformer	1-400.0kV Transformer Ratio: 1-5000					
Accuracy	%0.5 ± 2 Digit					
Input Impedance	>1M Ω					
Burden (Input Load)	<0,5 VA					
Current						
Nominal Current	In : 5A / 1A					
Minimum Current	5 mA					
Measurement Range	Compatible with ENTES plug & meter current transformers.	50 mA - 5,5 A Accuracy : %0.5 ± 1 Digit				Compatible with ENTES plug & meter current transformers.
Measurement Range with Transformer		50 mA - 10000 A				
Burden		<1 VA				
Overload Current		1,2 In continuous				
Short Time Overload (1s)		10xIn				
Power/Energy						
Active Power	0 - 1 GW Accuracy: %1 ± 1 Digit					
Reactive Power	0 - 1 GVar Accuracy: %1 ± 1 Digit					
Apparent Power	0 - 1 GVA Accuracy: %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					
Total Harmonic Distortion (THD)	-	THD V%, THD I%				
Separate Harmonics	-	1-51 Voltage (V) and Current (I)				
Demand Period	1,2,5,10,15,20,30,60 min.					
Frequency	45-65 Hz					
Sampling Period	128					
SUPPLY						
Operating Voltage	85 - 300 VAC/DC					
Operating Frequency	50/60 Hz					
Power Consumption	<6 VA					
DIGITAL INPUT / OUTPUT						
Digital Input Pulse Width	-	20/500 ms				
Digital Input Operating Voltage	-	12...48 VAC/DC				
Switching Current	-	Max 50mA				
Digital Output Supply Voltage	-	5-30 VDC (open collector)				
Pulse Duration	-	100ms pulse period 80ms pulse width				
Pulse Width	-	20-500 ms (Adjustable)				
ANALOG OUTPUT						
Current Output	-	0-20mA, 4-20mA, 4-24mA			-	
Voltage Output	-	0-5V, 0-10V, ±5V, ±10V			-	
RELAY OUTPUT						
Relay Output	-	1 NO Contact, 250 VAC/5A		-		1 NO Contact, 250 VAC/5A
TEMPERATURE INPUT						
Sensor Input Type	-	PTC or Thermocouple type			-	
Thermocouple Type	-	B, C, K, R, S, T			-	
MEMORY						
Internal Memory Size	-	4MB				
COMMUNICATION						
Communication Interface/Protocol	-	RS 485 / MODBUS RTU				
Transfer Speed	-	2400-115200				
AMBIENT CONDITIONS						
Operating Temperature	- 10 / +55 °C					
Storage Temperature	- 20 / +70 °C					
Overvoltage Category	III					
Pollution Degree	II					
Ambient Humidity	%95					
STANDARDS						
Standards	EN 61557-12, EN 61326-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 EN 62053, EN 60068, EN 61010					
CONNECTIONS						
Mounting	Rail Mounting					
Connection Terminals	Screw Terminal					
Connection Types	3P4W, 3P3W, 3 Phase Aron, 3P4W Balanced, 3P3W Balanced					

HEADQUARTERS

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