Network Analyzers (LCD)

MPR-2 Series





MPR-2 Series

MPR-2 Series DIN rail type Network Analyzers

MPR-2 Series DIN rail type Network analyzers are designed to measure and analyze various electrical parameters. With their communication features all measurements can be tracked from a single monitoring center.

MPR-2 series can detect the status and allow the control of devices (breakers, switches, contactors etc.) in the field via their digital inputs and outputs.

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PRODUCT
SELECTION TABLE

Product Code

Harmonics 1-51 % THD I

Analog Output (mA/V) Digital Output Digital Input

Temperature Input Relay Output

Number of Samples In One Period Clock (RTC)

Pulse Counter

Event Logs

85-300 VAC/DC

MPR-24		•									•	128			•	•		•	•	24
MPR-24-PM												128							•	24
MPR-25S-22	⇔lug&meter	•	•			2	2				•	128	4 MB	•					•	24
MPR-26S-21		•	•	51	•	2				1	•	128	4 MB	•	•				•	24
MPR-26S-21-PM	lug&meter\$	•	•	51		2				1		128	4 MB						•	24
MPR-27S-23		•	•	51	•	2	2	1				128	4 MB	•	•				•	24
MPR-28S-32		•		51	•	2	2		1		•	128	4 MB			•	•		•	24

Remote Monitoring Software:

With the energy management software developed by ENTES, energy consumption and quality can be monitored in real time by reading the values measured by devices. As a result, comprehensive energy monitoring and data storage is provided.

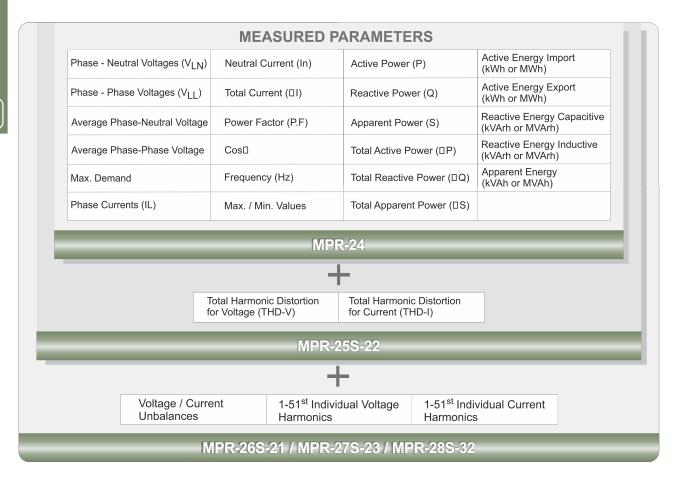
With the analysis of stored data, improvements in energy costs and sustainable savings are accomplished.



^{*} For more detailed information, see Page 84.

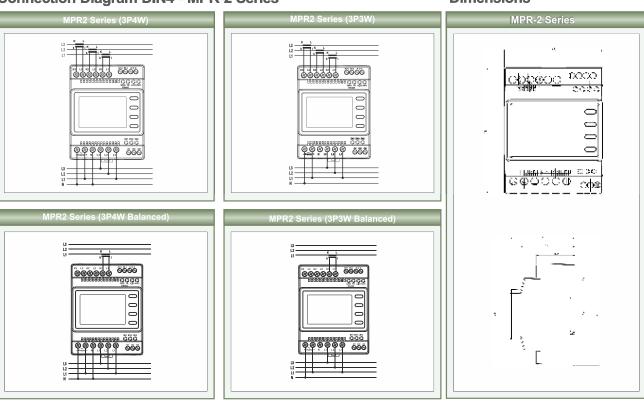
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Connection Diagram DIN4 - MPR-2 Series

Dimensions



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SPECIFICATIONS

ENCLOSURE							
Dimensions				DIM Pa	l Mounting		
Protection Class			Tor		ure Protection Class =	ID40	
Display			Ten		CD	IF40	
MEASUREMENTS					СБ		
VOLTAGE							
Measurement Range				10-400 VAC (L-N)	10 - 690 VAC (L-L)		
Measurement Range with					ormer Ratio: 1-5000		
Transformer				1-400.0KV Transic	offiler Ratio. 1-3000		
Accuracy				%0.5 :	± 2 Digit		
Input Impedance					ΜΩ		
Burden (Input Load)		_		<0,	5 VA		
CURRENT Nominal Current				In : 5A / 1A			ı
Minimum Current	ie i			5 mA			
Measurement Range	Compatible with Entes ">Jug@meter current transformers.		50 mA -	5,5 A Accuracy: : %0.5	± 1 Digit		
Measurement Range with	o w o o o o o			50 mA -10000 A	Ü		Compatible with
Transformer	trai			<1 VA			Entes plug&meter current transformer
Burden	ss ent			1,2 In continuous			
Overload Current	uri et inte			10xIn			
Short Time Overload (1s) POWER/ENERGY	ОШО						
Active Power				0 - 1 GW Acc	uracy : %1 ± 1 Digit		
Reactive Power					curacy: %1 ± 1 Digit		
Apparent Power					curacy : %1 ± 1 Digit		
Power Factor					uracy : ± 0,02		
Active Energy				999 999 kWh or MWh			
Reactive Energy			0 - 99	999 999 kVArh or MV	•	class 2	
Total Harmonic Distortion (THD)	-				THD V%, THD I%	10 10	
Separate Harmonics		-			0 (V) and Current(I)	
Demand Period Frequency				1,2,5,10,15,20			
Number of Samples In One Period				45-65 H 128	IZ		
SUPPLY				120			
Operating Voltage				85 - 300 VA	IC/DC		
Operating Frequency				50/60 H			
Power Consumption				<6 VA			
DIGITAL INPUT / OUTPUT							
Digital Input Pulse Width	_				20/500 ms		
Digital Input Operating Voltage	-				1248 VAC/DC		
Switching Current	-				Max 50mA		
Digital Output Supply Voltage	-			;	5-30 VDC (open collec	tor)	
Pulse Duration	-			100ms	pulse period 80ms pu	lse width	
Pulse Width	-				20-500 ms (Adjustabl	e)	
ANALOG OUTPUT							
Current Output			-		0-20mA, 4-20mA, 4-24m.		-
Voltage Output			-		0-5V, 0-10V, ±5V, ±10V		-
RELAY OUTPUT					1		
Relay Output				1 NO Contact, 250 VAC/5A	\ <u> </u>	-	1 NO Contact, 250 VAC
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 RT	ΓU	
Transfer Speed	-				2400-115200		
AMBIENT CONDITIONS							
Operating Temperature				- 10 / +5			
Storage Temperature				- 20 / +7	0°C		
Overvoltage Category				III			
Pollution Degree				II %95			
Ambient Humidity				%95			
STANDARDS			EN 61557 10 EN	31326 1 EN 64000	8.2 EN 61000 6.2 F	N 61000 6 4	
Standards			□N 0100/-12, EN	EN 62053, EN 61000-	6-2, EN 61000-6-3, E 68 EN 61010	IN 0 1000-0-4	
CONNECTIONS				LIN 02000, EIN 000	00, LIN 01010		
				Rail Mour	iting		
					INTIM		
Mounting Connection Terminals				Screw Terr			

