Network Analyzers (LED)

MPR-2 Series



MPR-2 Series

PRODUCT

SELECTION TABLE

MPR-2 Series DIN rail type Network Analyzers

MPR-2 Series DIN Type network analyzers have been designed for detailed measurement and analysis of 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.



Durrent Tr.

Product Code	е	3xV, 3xl, F W, VAr, VA, KWh, kVAr Max., Mi I ne	% THD-I	√-THD-√	Individua	RS-485 N	Digital In	Digital O	Analog C	Relay Ou	Tariff	Clock (R	Memory	Current/\ Unbalan	Pulse Co	Run/On F	Alarm	Event Re	Log Reco	X/5, X/1	X/333 m	m8 6nlc	95-270 V	12-50 VE
95-270 VAC/DC S	Supply																							
MPR-24		•									1									•			•	
MPR-24-PM	lug&meter ^	•									1									С				
MPR-24S-PM	⇔ lug&meter	•									1	•	4 MB					•		С		•		
MPR-25S-22		•	•	•			2	2			8		4 MB		•					•				
MPR-26S-21					51		2			1	8		4 MB											
MPR-26S-21-PM	lug <mark>&</mark> meter ث	•			51		2			1	8		4 MB							С				
MPR-27S-23					51		2	2	1		8		4 MB											
12-50 VDC Supp	ly																							
MPR-24-D											1													
MPR-24-D-PM	lug&meter\$	•									1									С				
MPR-25S-22-D		•		•			2	2			8		4 MB					•		•				
MPR-26S-21-D		•			51		2			1	8		4 MB											

8

8

4 MB

4 MB

C Can be used by X5PM converter

Log Reader Software:

MPR-26S-21-D-PM plug &meter

MPR-27S-23-D

Thanks to the free Log Reader software developed by ENTES, data logs of parameters such as current, voltage, power, profile, temperature and THD recorded by MPR series devices can be transferred to the computer.

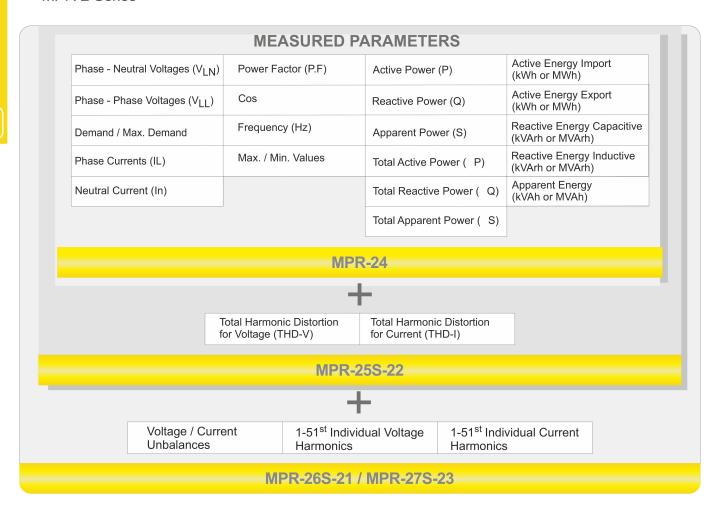
The data that will be imported can be filtered according to time interval and parameter type.

The obtained data can be imported as XLS, CSV etc. file formats.

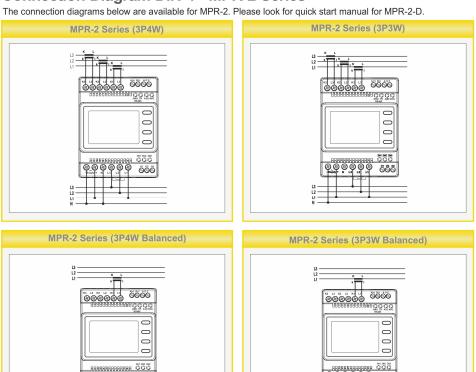
Log Reader Software can be downloaded from www.entes.com.tr.

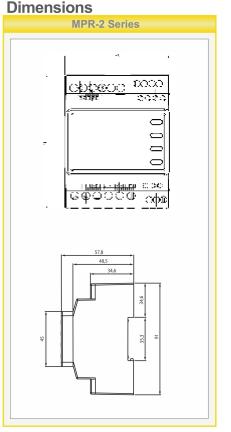
Network Analyzers (LED)

MPR-2 Series



Connection Diagram DIN-4 - MPR-2 Series





Network Analyzers (LED)

MPR-2 Series

SPECIFICATIONS

SPECIFICATIONS											
	MPR-24	MPR-25S-22	MPR-26S-21	MPR-27S-23	MPR-26S-21-PM	MPR-24-PM					
ENCLOSURE											
Dimensions				tail Mounting, 24 Pcs / Box							
Protection Class	Terminals = IP20,Front: IP40										
Display	2,1" Segmented LCD										
MEASUREMENTS											
VOLTAGE											
Measurement Range			10-300 V	AC (L-N) 10 - 480 VAC (L-L)							
Measurement Range with VT				10V-999.9kV							
Accuracy				%0.5 ± 1 Digit							
Input Impedance Burden (Input Load)				>1M Ω							
CURRENT				<0,5 VA							
Rated Current				In : 5A / 1A							
Minimum Current				5 mA							
Measurement Range			50 mA - 5,5	A Accuracy: %0.5 ± 1 Digit							
Measurement Range with CT	50 mA -10000 A Compatible with Entes *plug&me and X/333mV current transform										
Burden				<1 VA	and X/333mV curre	nt transformers.					
Overload Current				1,2 In continuous							
Short Time Overload (1sec)				10xIn							
POWER/ENERGY											
Active Power				Accuracy: %1 ± 1 Digit							
Reactive Power				Accuracy: %2 ± 1 Digit							
Apparent Power				Accuracy: %1 ± 1 Digit							
Power Factor Active Energy				0 Accuracy: : ± 0,02							
Reactive Energy			0 - 99 999 999 kWh oi	r MWh Accuracy: %1 Class 1 or MVArh Accuracy: %2 Class 2							
Apparent Energy				Ah or MVAh Accuracy: %1							
Tariffs	-		0 - 33 333 333 KV	8		-					
Total Harmonic Distortion (THD)	-			%THD-V. %THD-I		_					
Individual Harmonics		-		1-51 Voltage (V) and Current (I)		-					
Demand Period			1.5	,10,15,20,30,60 min.							
Frequency			1,0	45-65 Hz							
Sampling Rate per Period				128							
SUPPLY											
Operating Voltage			95 - 270 VAC/D	C (12-50 VDC in MPR-2X-D Series)							
Operating Frequency				50/60 Hz							
Power Consumption				<5 VA							
DIGITAL INPUT / OUTPUT											
Digital Input Pulse Width	-			20-500 ms		-					
Digital Input Operating Voltage	-			530 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, 0-24mA	-						
Voltage Output		-		0-5V, 0-10V, ±5V, ±10V	-						
RELAY OUTPUT											
Relay Output		_ 1	NO Contact, 250 VAC/5A	_	1 NO Contact, 250 VAC/5A	-					
MEMORY											
Internal Memory Size		_		4MB		-					
COMMUNICATION											
Interface/Protocol	_			RS-485 / MODBUS RTU		_					
Transfer Rate	_			2400-115200 bps		_					
AMBIENT CONDITIONS											
Operating Temperature				- 10 / +55°C							
Storage Temperature				- 20 / +70°C							
Overvoltage Category	III										
Pollution Degree	II II										
Ambient Humidity				%95							
STANDARDS											
Standards	EN 61557-12, EN 61326-1, EN 61000-6-2, EN 61000-6-4										
Giandalus	EN 62053, EN 60068, EN 61010										
CONNECTIONS											
Mounting				Rail Mounting							
Connection Terminals				Screw Terminal							
Connection Types	3P4W, 3P3W, 3 P4W, 3P4W Balanced, 3P3W Balanced										
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