

# New generation energy analyzers MPR-3X series




**MPR 3X series**

With the dimensions of 72x72 mm, MPR 3X series mini network analyzers take up less space. These analyzers are preferred in Rack type panels because of their compact design and used in applications such as UPS, machine control panels, data processing and system rooms and security control. MPR- 3X series can detect the status and enable the control of the devices (breakers, keys, switches etc.) in the field with their digital inputs and outputs.

- **72 x 72 x 50 mm dimensions**
- **Designed for panels with limited installation space**
- **Class 0,5**

**MPR 3X series**

 72 x 72 mm

 Class 0,5

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**PRODUCT SELECTION TABLE**

Product Code	Dimensions / mm	3xV 3rd. Frequency W/VAR VA, 3P 3Q 1S With WVAch Demand, Max. Min. Cosφ, I neutral	THD-I	THD-V	RS-485	Digital Input	Digital Output	Pulse Output	Real Time Clock (RTC)	Operating Hour Meter	Alarm	Event Logs	Outage Records	Pcs/Carion
MPR-32	72x72	●							●	●				24
MPR-34-11	72x72	●	●	●		1	1	●	●	●	●	●		24
MPR-34S-11	72x72	●	●	●	●	1	1	●	●	●	●	●	●	24
MPR-34-20	72x72	●	●	●		2			●	●	●	●		24
MPR-34S-20	72x72	●	●	●	●	2			●	●	●	●	●	24

**Application Areas:**



Shopping Malls



Security Control Systems



Industrial Applications

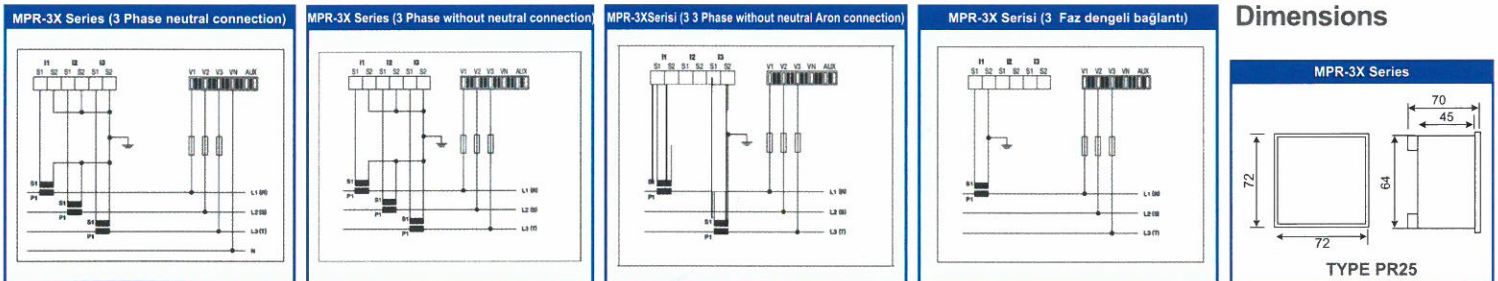


Data System Rooms

## SPECIFICATIONS

	MPR-32	MPR-34-11	MPR-34S-11	MPR-34-20	MPR-34S-20
<b>ENCLOSURE</b>					
Dimensions	72x72x50 mm				
Display	LCD, with backlight				
<b>MEASUREMENTS</b>					
<b>Voltage</b>					
Measurement Range	10-300 VAC (L-N), 10-500 VAC (L-L)				
Measurement Range with Transformer	10-999 kV				
Voltage Accuracy	0,5% ± 1 digit				
Input Impedance	1,8 MΩ				
Burden (Input Load)	<0,5 VA				
<b>Current</b>					
Current Accuracy	0,5% ± 1 digit				
Nominal Current	1A, 5A				
Measurement Minimum Current	5mA				
Measurement Range	50mA-5A 0,5% ± 1 digit				
Measurement with Transformer	50mA-10kA				
Burden (Input Load)	<1 VA				
Overload Current	1,2 In				
<b>Power/Energy</b>					
Active Power Accuracy	0.5% ± 1 digit				
Reactive Power Accuracy	1(s)% ± 1 digit				
Active Energy Accuracy	Class 1				
Reactive Energy Accuracy	Class 2				
Active Power Range	0-1 GW				
Reactive Power Range	0-1 GVar				
Apparent Power Range	0-1 GVA				
Active Energy Indicating Range	9 999 999,9 kwh				
Reactive Energy Indicating Range	9 999 999,9 kVarh				
<b>SUPPLY</b>					
Supply Voltage	185-315 VAC				
Supply Frequency	45-65 Hz				
Power Consumption	<4 VA				
<b>INPUT/OUTPUT STRUCTURE</b>					
Digital Input Pulse Width	-	20/500 ms			
Digital Input Operating Voltage	-	12...48 VAC/DC			
Switching Current	-	Max. 50mA			
Switching Voltage	-	Max. 30 VDC			
Pulse Width	-	20-500 ms (Adjustable)			
<b>AMBIENT CONDITIONS</b>					
Operating Temperature	-10 / +55°C				
Storage Temperature	-20 / +70°C				
Ambient Humidity	95%				
<b>STANDARDS</b>					
Applied Standards	IEC 61326-1, 61010, 62053, 61557-12				
<b>CONNECTIONS</b>					
Mounting	Front Panel Mounting				
Connection Terminals	Screw terminal with socket				
Connection Types	3 phase neutral, 3 phase, 3 phase (Aron)				
<b>COMMUNICATION</b>					
Communication Interface/Protocol	-	-	RS-485/ MODBUS RTU	-	RS-485/ MODBUS RTU
Transfer Speed	-	-	1200 - 115200 bps	-	1200 - 115200 bps

### Connection Diagram Pr25 - MPR-3X Series (72x72mm)



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