



## MPR-3 Series

### New Generation Mini Network Analyzers

MPR-3 Series **panel type** mini network analyzers are developed for panels **where mounting space matters** and they are compact solutions for detailed measurement and analysis of electrical parameters.

**Occupies less space** with its **72 x 72 x 50 mm dimensions** on rack type panels used in applications such as UPS, machine control panels, security control rooms, information processing and systems rooms.

Real-time monitoring is possible via **large LCD screen**. Thanks to **the communication feature** of MPR-3 Series, energy measurements can be monitored easily from a single monitoring center.

MPR-3 Series can detect the status of devices in the field with digital inputs and outputs, therefore provides control of breakers, switches, contacts, etc.

- Compact design for panels where area is a problem
- 2,6 inch large LCD screen
- 72 x 72 x 50 mm compact dimensions
- 256 event log
- Compatible with **plug&meter** current transformers



## SPECIFICATIONS

	MPR-32/MPR-32S	MPR-34-11	MPR-34S-11	MPR-34-20	MPR-34S-20	MPR-34S-11-PM
<b>ENCLOSURE</b>						
Dimensions	72x72x50 mm					
Protection Class	Terminals = IP20, Enclosure Protection Class = IP51					
Display	2,6 inch LCD screen					
<b>MEASUREMENTS</b>						
<b>Voltage</b>						
Measurement Range	10-400 VAC (L-N), 10-690 VAC (L-L)					
Measurement Range with Transformer	10V - 999 kV					
Voltage Accuracy	%0.5 ± 1 Digit					
Input Impedance	1,8 MΩ					
Burden (Input Load)	<0,5 VA					
<b>Akim</b>						
Measurement Class	%0,5 ± 1 Digit					
Nominal Current	1A,5A					
Measurement Minimum Current	5mA					
Measurement Range	50mA-5,5A 0,5% ±1 digit					
Measurement with Transformer	50mA-10kA					
Burden (Input Load)	<1 VA					
Overload Current	1,2 In					
Compatible with ENTES plug meter current transformers.						
<b>Power/Energy</b>						
Active Power Measurement Class	%1 ± 1 Digit					
Reactive Power Measurement Class	%1 ± 1 Digit					
Active Energy Accuracy	Class 1					
Reactive Energy Accuracy	Class 2					
Active Power Measurement Range	0-1 GW					
Reactive Power Measurement Range	0-1 GVAr					
Apparent Power Measurement Range	0-1 GVA					
Active Energy Indicating Range	9 999 999,9 kWh					
Max. Reactive Energy Indicating Range	9 999 999,9 kVArh					
Sampling Period	128					
<b>SUPPLY</b>						
Operating Voltage	185-300 VAC/DC					
Supply Frequency	45/65 Hz					
Power Consumption	<4 VA					
<b>INPUT/OUTPUT STRUCTURE</b>						
Digital Input	-	1		2		1
Digital Output	-	1		-		1
Digital Input Pulse Width	-			20/500 ms		
Digital Input Operating Voltage	-			5...48 VAC/DC		
Switching Current	-			Max. 50 mA		
Switching Voltage	-			Max. 30 VDC		
Pulse Time	-			100ms pulse period 80ms pulse width		
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>						
Standards	EN 61326-1, EN 61557-12, EN 62053, EN 61010-1, EN 61000-6-2, EN 61000-6-4, EN 55011, EN 60068-2					
<b>CONNECTIONS</b>						
Mounting	Front Panel Mounting					
Connection Terminals	Screw Terminal with Socket					
Connection Types	3P4W , 3P3W, 3 Phase Aron, 3P4W Balanced, 3P3W Balanced					
<b>COMMUNICATION</b>						
Communication Interface/Protocol	-	RS-485/ MODBUS RTU	-	RS-485/ MODBUS RTU	-	RS-485/ MODBUS RTU
Transfer Speed	-	2400 - 115200	-	2400 - 115200	-	2400 - 115200

## HEADQUARTERS

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