

EPR-04S-DIN-CT25



CTs not included

Product Code

Product Code	Cosφ	W	VA	ΣW	ΣVA	ΣVA	kWh A. Energy	kVArh R. Energy	Dual Energy Measurement	Demand	Digital Pulse	Energy Pulse	.../5A	RS-485 Comm.	Single phase
EPR-03-96															
EPR-04-96															
EPR-04-DIN															
EPR-04S-96															
EPR-04S-DIN															
ES-32L															
ES-80L															

● Optional - Min. Order Quantity is 200pcs/device.

General

- **EPR-04: Digital Power and Energymeter**  
EPR-04 measures active / reactive / apparent power and active / reactive energy for each phase and cosφ in 4 displays.
- **EPR-04S: Digital Powermeter with RS-485**  
In addition to EPR-04 features, EPR-04S has RS-485 communication. Power, energy and cosφ values can be monitored via MPR-SW software.
- **Software MPR-SW** : Software for monitoring and recording parameters for MPR and EPR Series.



EPR-04S-96

Features

- Non-flammable enclosure
- Double Insulation ( □ )
- Measurement Category III
- Terminal Connection
- Flush mounting with rear terminals
- IP40 (front panel), IP00 (terminals)
- IEC 61010-1, IEC 61000-6-2, IEC 61000-6-4

MODEL	EPR-04,EPR-04S		
<b>SPECIFICATIONS</b>			
<b>HOUSING</b>		<b>SUPPLY</b>	
Dimensions	96x96mm PR19,DIN6 PK26	Operating Voltage	110VAC/230VAC ±% 10 or 45-265VAC/DC
Protection Class	IP40 Front Panel; IP54 Optional	Operating Frequency	45-65Hz
Weight	0,5 kg/device; 12 pcs.	<b>INPUT/OUTPUT</b>	
Display	Red LED, Height: 10 mm	Digital Input	2 Inputs
<b>MEASUREMENTS</b>		Digital Input Pulse Width	20msec.
Voltage		Digital Input Operating Voltage	12..48V AC/DC
Measuring Range	10-300V AC (L-N), 10-500VAC (L-L)	Energy Pulse Output	NPN Transistor
Measuring Range with Transformer	Transformer Ratio: 1.0-4000	Switching Current	Max. 50 mA
Accuracy	1% ±1 digit [(10%-110%)xFull Scale]	Switching Voltage	Max. 30VDC
Input Impedence	1.8 MΩ	Pulse Duration	100 msec. Pulse period, 80 msec. Pulse width
Burden	<0.5 VA	<b>AMBIENT CONDITIONS</b>	
<b>Current</b>		Ambient Temperature	-5 / +55°C
Nominal Current	5,5A	Overvoltage Category	III
Lowest Current	50mA	Pollution Degree	II
Measurement Range	5 mA - 5,5 A Accuracy: 0.5% ±2 digit	Ambient Humidity	%90
Measurement Range with Transformer	5 mA 10000 A Transformer Ratio: 1-5000.0	<b>STANDARDS</b>	
Burden	<1VA	Security Standards	EN 61010-1
Overload Current	1.2 In	EMC Standards	EN 61000-4-5, EN 61000-4-4 EN 61000-4-2, EN 61000-4-11
<b>Power/Energy</b>		Mechanical Endurance	EN 60529
Active Power	0-215MW	<b>CONNECTIONS</b>	
Reactive Power	0-215MVA	Installation	Flush-mounting with rear terminals(PR 19), Rail mount(PK 26)
Apparent Power	0-215MVA	Connection Terminals	Socket Type Terminal with Screws
Power Consumption	<4VA	Connection Types	3 Phase+Neutral(3P4W), 3 Phase(3P3W), 3 Phase(Aron)
Active Energy	9 999 999,9 Mwh		
Reactive Energy	9 999 999,9 MVA		



**ES-32L**

**ES-32L / ES-80L : Watt-Hour Meter General**

- ES Series measure the active watt hour (kWh) consumption directly and error free in single phase systems.
- The most important features of the device are its reliability, small size, light weight, modern design, and easy installation.

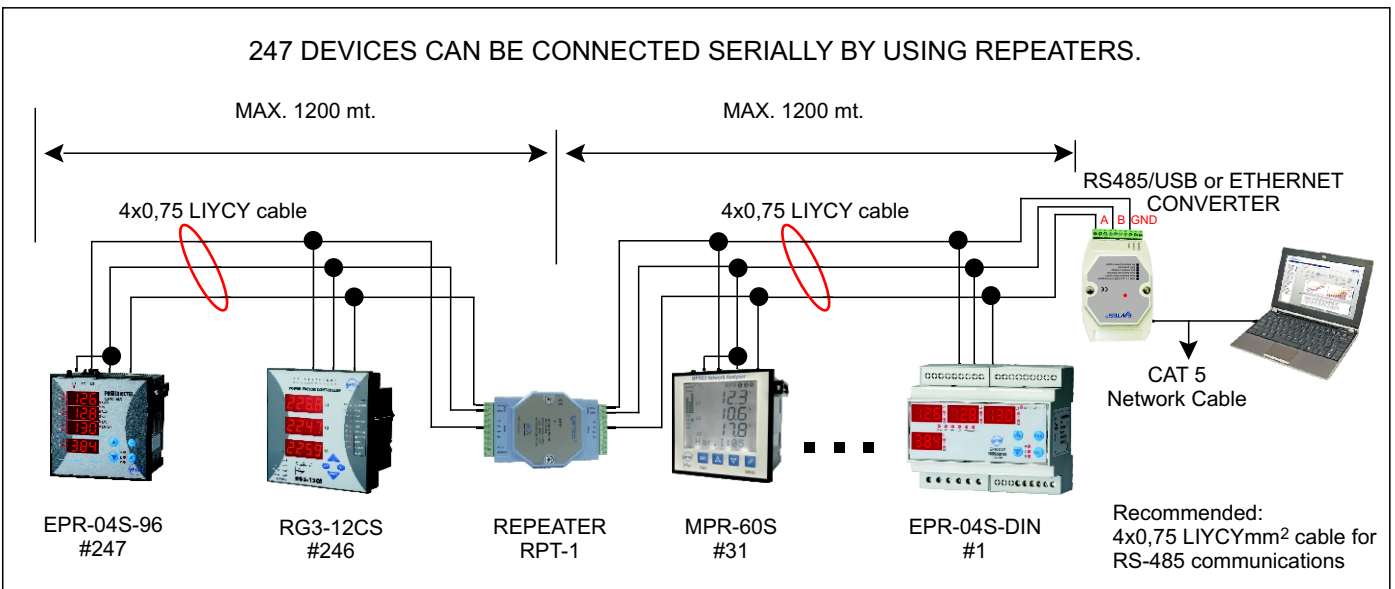


CT-80D Max. 80A

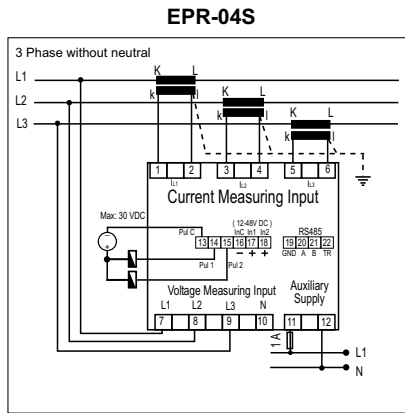
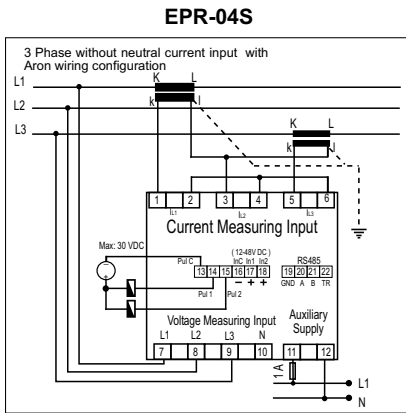
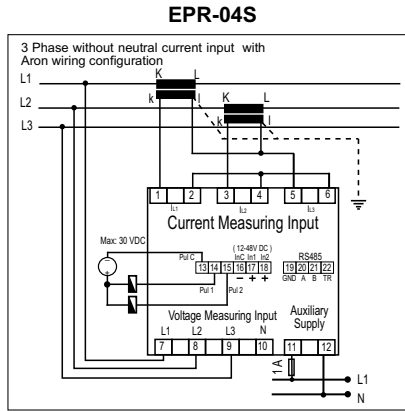
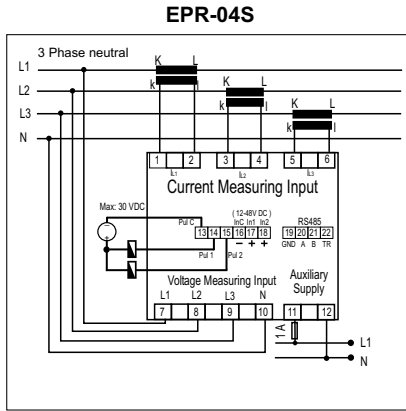
MODEL	ES-32L	ES-80L
<b>SPECIFICATIONS</b>		
<b>HOUSING</b>		
Dimensions	IP 40	
Weight	60 gr./device; One package contains 10 pcs	60 gr.-74 gr.(CT80D)/device; One package contains
Display	6+1 digit	
Active Energy	0-999999.9 kWh	
Accuracy	Class 1	
Nominal Current	In=5A	In=40A
Lowest Current	0,02A	0,08A
Measurement Range	0,02-32A	0,08-80A
Measuring Range	0.5 VA	
Surge Voltage Test	4kV 1.2/50 microseconds IEC 1000-4-5	
Burst Test	4kV IEC 61000-4-4	
Frequency	50/60Hz	
Operating Voltage	230VAC - % 20 + % 15	
Operating Frequency	50/60 Hz	
Power Consumption	<2VA	
Pulse Output	1000Imp./kWh	
Pulse Duration	Ti=20ms.	

<b>AMBIENT CONDITIONS</b>	
Ambient Temperature	-20,+65°C
Overvoltage Category	III
Type	Indoors
Ambient Humidity	%90
<b>STANDARDS</b>	
Standards	EN 62052 - 11 EN 62053 - 21
<b>CONNECTIONS</b>	
Installation	Rail-mount DIN En50022
Connection Terminals	With screws

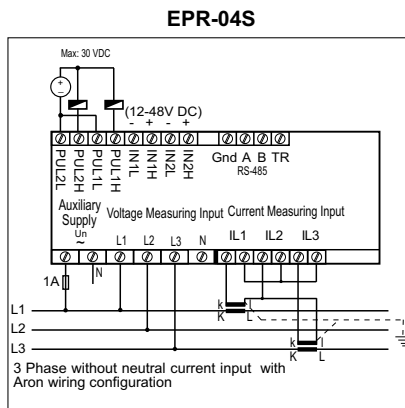
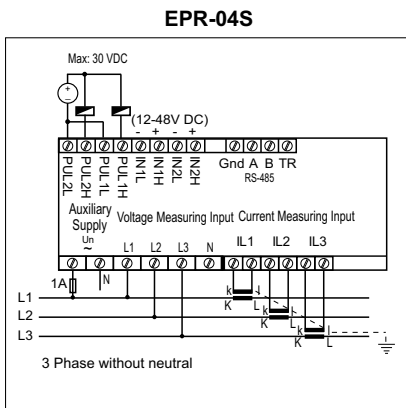
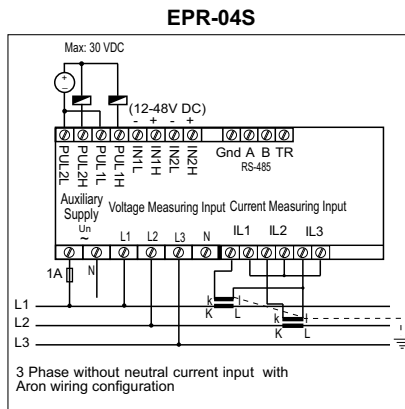
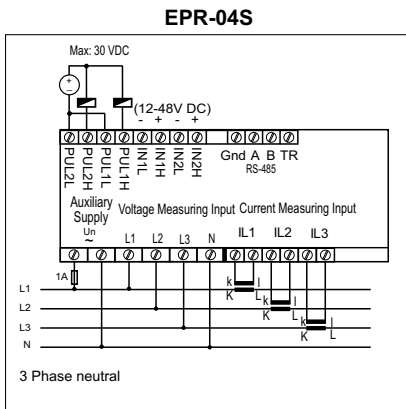
**TYPICAL INSTALLATION OF OUR NETWORK ANALYZERS & OTHER METERS**



Connection Diagrams

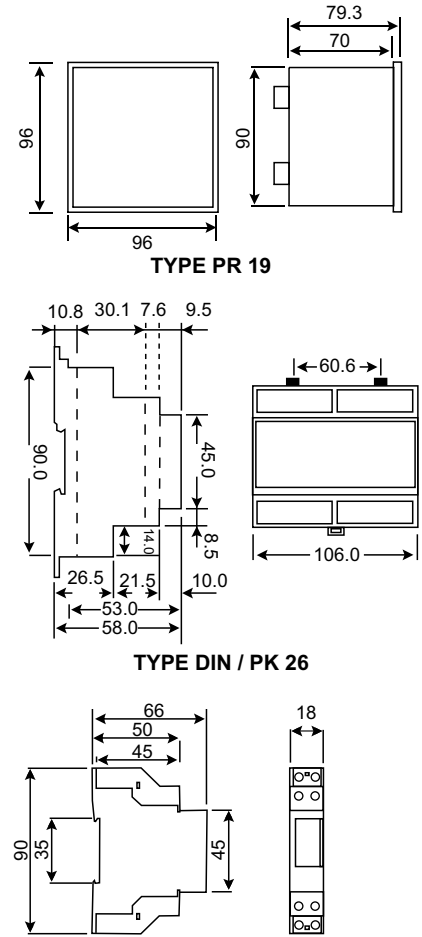


(PK26 - DIN6)

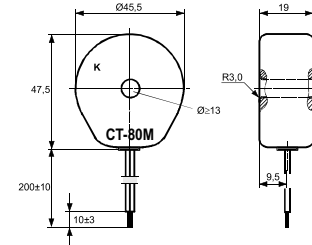


Connection diagrams are for reference only. Please always check the latest user manual included with product

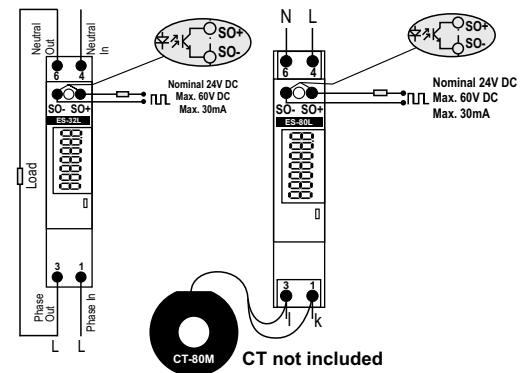
Dimensions



Note: Should not be used for billing purposes.



Connection Diagram



- The device has pulse outlets for remote reading and central data storage.
- Flashing LED indicates the unit is measuring
- The LCD display on the front panel makes easy and accurate power reading possible.