

# Technical Specifications

## RG520 - EC

Operating Voltage (Un)	220V AC
Operating Measuring Range	3mA – 6A
Operating Voltage Range	(0,68 – 1,36)xUn (150-300V)
Operating Current Range	0,015 – 6A
Operating Frequency	50Hz
Operating Temperature Range	-30 to +85 degree
Number of Ranges	16 capacitors, 2+2 inductors (+2 alarm and fan out change)
Range Powers	Mono phase, three phase and between phases able to connecting Capacitors or Inductors,automatic steps power sense
Power Consumption	<4VA
Relay Contact capacity	5A
Screen	1 line 4 digits alpha numeric and 3 line 4 digits 7 segment led display
Wire Diameter	2,5 mm
Safety Class	IP20 and IP40
Connection Type	Terminal connection
Displayed Parameters	Cos $\Phi$ , Current, Voltage, frequency, Total active, inductive, capacitive energies Apparent power, active power, reactive power Harmonic measuring (include 21. harmonic) Temperature measuring, real time calendar and hour
Measuring Accuracy	Voltage, current and Cos $\Phi$ = 1% Active, reactive and apparent power = 1% Temperature between 25 to 85 degree = +/- 5 degree
Setting Limits	Target Cos $\Phi$ = 0.8 inductive to 0.8 capacitive Current transformer ratio = 5/5 to 5000/5 Voltage transformer ratio = 220 /220 Step On, Off and discharge times = 1to 180 second
RS 485 Communication ModBus	Address range = 1 to 247 Baud rate = 1200, 2400, 4800, 9600, 19200 and 38400 bps
Load Profile	Record period = 1, 5, 10, 15, 30, 60 minute Record type = Energies and 3 phase x 3 channel change Max record time = 19 hours to 48 days
Error Log Records	Max record number = 192 number
Alarm Functions	Low and over voltage Over current, over temperature Harmonic protection Poor or over compensation Rate error
Fan Function	On board temperature control relay
Password Protection	Exist