



ELECTRONICS PRODUCTS > ENERGY MANAGEMENT PRODUCTS > ELECTRONIC MULTIMETERS

ECRAS 100

Stock Keeping Unit (SKU): 606210

Multimeter

Commercial Information

Product Sales Code	606210
Package Unit	1 pcs.
Customs Tariff Number	903032009011
Weight Per Unit Including Packaging	0.272 kg.

Technical Information

General	
Password Protection	+
Voltage Transformer Ratio Vtr	1 - 5000
Current Transformer Ratio Ctr	1 - 5000
Number Of Measurements In One Period	256
Lcdscreen Refresh Rate	1 sn.
Networks	TT, TN, IT
Connection Type	3F4T, 3F3T
Four Quadrant Measurement	4
Minmaxdemand Values	+
Protection Class	Front IP40 / Rear IP20
Weight G	272
Packaging Quantity	1
Mounting Type	Panel Mount

Seven Segment Display +

Current Measurement Input

Measuring Range	10mA - 6A AC
Overvoltage Category	300 V Cat II
Voltage Fluctuation Measurement	2 kV
Power Consumption	<0.2 VA
Intermittent Overload	100 A for 1 sec
Sampling Frequency Between 45 65 Hz	12.8 kHz

Voltage Measurement Input

Overvoltage Category	300 V Cat III
Measuring Range L N	1-300 Vrms
Measuring Range L L	2-500 Vrms
Frequency Measuring Range	45-65 Hz
Power Consumption	<0.1 VA
Sampling Frequency Between 45 65 Hz	12.8 kHz

Power Supply

Voltage	85-300V AC / 85-300V DC
Frequency	45-65Hz
Consumption	<6VA AC / <3W DC

Environmental Conditions

Operating Temperature	-20°C +70°C
Storage Temperature	-30°C +80°C
Relative Humidity Non Condensing	Maks. 95%

Emc Emi

300 Vac Cat II According To Iec 61010 1	+
En 55011A1	2010, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN61000-4-11

Diagrams

Mains Connection	
Digital I O And Alarm Output Connections	
3 Wires With 3Ct	
4 Wires With 3Ct	
3 Wires With 2Ct Note	CTs can be connected to any phase. In the figure, they are connected to Phase-1 and Phase-3.
Single Phase With 1Ct Note	CT and VT can be connected to any phase. In the figure, they are connected to Phase-1.
Digital Output Connection	
Digital Input Connection	
Alarm Output Connection	
Analog Output Connection	

Time Recorded Data Storage

Demand	--
Alarm Records	--

Cable Cross Sections Power Supply Voltage Current Relay Outputs

Loaded	2.5mm² - 14AWG
Unloaded	4mm² - 12AWG, 2x1.5mm² - 2x16AWG