



ELECTRONICS PRODUCTS > ENERGY MANAGEMENT PRODUCTS > ENERGY ANALYZERS

ECRAS 300

Stock Keeping Unit (SKU): 606500

3Ø Electronic Multimeter

Commercial Information

Product Sales Code	606500
Package Unit	1 pcs.
Customs Tariff Number	903032009011

Technical Information

General	
Lcd Screen	-
Language Support	English
Password Protection	+
Networks	TT, TN, IT
Signal Waveforms	-
Connection Type	3P4W, 3P3W
Battery	-
Real Time Clock	-
Demand Period	-
Packaging Quantity	1
Seven Segment Display	
Without Screen	

Minmax Data	+
Demand Data	+
Ghost Screen	+
Phasor Diagram Display	
Screen Refresh Period	1sn
Number Of Samples In The Period	

Energy Measurement

3 Phase Energy Measurement	+
Number Of Tariffs	3
Number Of Sub Tariffs	
1 Energy Measurement	+
Number Of Reactive Measurement Zones	4

Current Measurement Input

Measuring Range	50mA-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	

Voltage Measurement Input

Overvoltage Category	300 V Cat III
Measuring Range L N	10-300 Vrms
Measuring Range L L	17-500 Vrms
Frequency Measuring Range	45-65 Hz
Power Consumption	<0.1 VA
Sampling Frequency Between 45 65 Hz	

Power Quality Measurements

Harmonic Measurement Current And Voltage	-
Thdi	-

Thdv	-
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Measuring Accuracy Iec 61557 12

Total Active Power	-
Total Reactive Power	-
Total Reactive Energy	-
Frequency	Class 0.2
Current	Class 0.5
Neutral Current	Class 0.5
Voltage	Class 0.5
Power Factor	-
Thdv Thdi	-
Total Apparent Power	-
Total Active Energy	-

Measuring Accuracy Iec 62053 22

Total Active Energy	-
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Measuring Accuracy Iec 62053 23

Total Reactive Energy	-
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Alarm Relay Outputs

Number Of Outputs	
Max Switching Current	
Max Switching Voltage	
Max Switching Power	

Power Supply

Voltage	85-300V AC - 85-300V DC
Frequency	45-65Hz
Consumption	<3VA AC - <2.5W DC

Mechanical Properties

Weight G	
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Protection Class	IP54
Mounting Type	Panel Mount

Environmental Conditions

Operating Temperature	-25°C +70°C
Storage Temperature	-30°C +80°C
Relative Humidity Non Condensing	Max. 95% (no condensation)

Communication

Protocol	-
Baud Rate	-
Parity	-
Stop Bit	-
Slave Id	-
Isolation	-

Time Recorded Data Storage

Hourly Records	
Daily Records	
Monthly Records	
Demand	
Alarm Records	

Digital Output

Isolation Level	
Number Of Outputs	
Voltage Switching Range	
Minimum Switching Frequency	

Digital Input

Number Of Inputs	
Isolation Level	
Minimum Counting Frequency	

Input Type	
Ethernet Interface	
Protocol	
Port	
Gateway Feature	
Performance	
Analog Output	
Output Ranges 0.5 V, 0.10 V, 5.5 V, 10.10V, 0.20 Ma, 4.20 Ma	
Isolation	
Other Measurements	
Operating Time Counter	
Open Time Counter	
Power Failure Counter	
Basic Electrical Measurements	
Current	+
Voltage	+
Frequency	+
Active Power	
Reactive Power	
Apparent Power	
Power Factor	
Cos	
Cable Cross Sections Power Supply Voltage Relay	
multi-core	2.5mm² - 14AWG
Single Core	4mm² - 12AWG, 2x1.5mm² - 2x16AWG
Cable Cross Sections Current	
multi-core	2.5mm² - 14AWG

Single Core	4mm² - 12AWG, 2x1.5mm² - 2x16AWG
Cable Cross Sections Digital Inputoutput Rs485 Analog Output	
multi-core	2.5mm² - 14AWG
Single Core	4mm² - 12AWG, 2x1.5mm² - 2x16AWG