

ELECTRONICS PRODUCTS > ENERGY MANAGEMENT PRODUCTS > ENERGY ANALYZERS



POWYS 1022

Stock Keeping Unit (SKU): 606355

1Ø Energy Analyzer

Commercial Information

Product Sales Code	606355
Package Unit	1 pcs.
Customs Tariff Number	902830900000
Weight Per Unit Including Packaging	0.14 kg.

Technical Information

General	
Lcd Screen	+
Language Support	
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
Signal Waveforms	
Connection Type	1 Phase (with 1 current transformer and neutral)
Battery	

Real Time Clock	
Four Quadrant Measurement	
Demand Period	1-60 min. adjustable
Phase Diagram	
Minmaxdemand Values	+
Protection Class	IP20
Mounting Type	Rail Mounted
Seven Segment Display	

Energy Measurement

Multiple Sub Tariffs Peak On Peak And Off Peak	
1 Phase Energy Measurement	+
3 Phase Energy Measurement	
4 Quadrant Reactive Energy Measurement	
Number Of Tariffs	1

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	10-500 Vrms
Measuring Range L L	
Frequency Measuring Range	45-65 Hz
Power Consumption	<0.1 VA
Sampling Frequency Between 45 65 Hz	12,8 kHz

Power Quality Measurements

Thd Voltage As	+
Thd Current As	+
Harmonics For Current And Voltage Phases	Up to 31st

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Total Active Power	Class 0.5
Total Reactive Power	Class 1
Total Reactive Energy	Class 2
Frequency	Class 0.1
Current	Class 0.5
Neutral Current	Class 0.5
Voltage	Class 0.2
Power Factor	Class 0.5
Thdv Thdi	Class 1
Total Apparent Power	Class 0.5
Total Active Energy	Class 0.5

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Total Active Energy	Class 0.5S
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Measuring Accuracy Iec 62053 23

Total Reactive Energy	Class 2
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Alarm Relay Outputs

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

Power Supply

Voltage	85-300V AC / 85-300V DC
Frequency	45-65Hz

Consumption	<4VA AC
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Environmental Conditions

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

Time Recorded Data Storage

Hourly Records	
Daily Records	
Monthly Records	
Demand	
Alarm Records	

Digital Output

Isolation Level	5000 Vrms
Number Of Outputs	2
Type	Transistör
Voltage Switching Range	5-30 VDC
Minimum Switching Frequency	20 Hz, 50 ms

Digital Input

Number Of Inputs	
Isolation Level	
Minimum Counting Frequency	
Input Type	

Analog Output

Number Of Outputs	
Output Ranges 0 5 V 0 10 V 5 5 V 10 10V 0 20 Ma 4 20 Ma	
Isolation	

Cable Cross Sections Power Supply Voltage Current Relay Outputs

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

Cable Cross Sections Digital I/O Rs485 Analog Outputs

Loaded	1.5mm² - 16AWG
Unloaded	1.5mm² - 16AWG, 2x0.75mm² - 2x18AWG