

ELECTRONICS PRODUCTS > ENERGY MANAGEMENT PRODUCTS > ENERGY ANALYZERS

POWYS 405R

Stock Keeping Unit (SKU): 606601

3Ø Energy Analyzer



Commercial Information

Product Sales Code	606601
Package Unit	1 pcs.
Customs Tariff Number	903032009011

Technical Information

General	
Lcd Screen	-
Language Support	-
Password Protection	+
Networks	TT, TN, IT
Signal Waveforms	-
Connection Type	3P4W, 3P3W
Battery	-
Real Time Clock	-
Demand Period	1-60 min. adjustable.
Packaging Quantity	1
Seven Segment Display	-
Without Screen	+
Minmax Data	+

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

Energy Measurement

3 Phase Energy Measurement	+
Number Of Tariffs	2
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	31 e kadar
Thdi	+
Thdv	+

Measuring Accuracy Iec 61557 12

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

Measuring Accuracy Iec 62053 22

Total Active Energy	Class 1
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Measuring Accuracy Iec 62053 23

Total Reactive Energy	Class 2
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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	
Protection Class	IP20

Mounting Type	Rail Mount
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Environmental Conditions

Operating Temperature	-20°C +70°C
Storage Temperature	-30°C +80°C
Relative Humidity Non Condensing	Max. 95% (no condensation)

Communication

Protocol	Modbus RTU
Baud Rate	1200-57600
Parity	Odd, Even, None
Stop Bit	1
Slave Id	1-247
Isolation	2750V RMS

Time Recorded Data Storage

Hourly Records	
Daily Records	
Monthly Records	
Demand	
Alarm Records	50

Digital Output

Isolation Level	3750 Vrms
Number Of Outputs	2
Voltage Switching Range	Transistor
Minimum Switching Frequency	5-30 VDC

Digital Input

Number Of Inputs	2
Isolation Level	3750 Vrms
Minimum Counting Frequency	100 Hz, 10 ms
Input Type	Dry Contact

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 Input/output Rs485 Analog Output

multi-core	2.5mm² - 14AWG
Single Core	4mm² - 12AWG, 2x1.5mm² - 2x16AWG
