

Features

- Three-phase
- Energy meter
- With reset
- LCD

RS PRO Digital Power Meters

RS Stock No.: 734577



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Three-phase. Current 100 A.

The 734577 is a static (electronic) calibrated electricity indicator of a three-phase alternating current in a direct system. A special electronic system under the influence of flowing current and applied voltage in each phase generates impulses in a quantity proportional to the electricity consumed in this phase. Power consumption in the phase is signaled by the flashing of the corresponding LED (L1, L2, L3). The sum of pulses from three phases is signaled by flashing of the LED diode (800imp / kWh) converted into energy collected in the whole three-phase system, and its value is indicated by the segment LCD display. The figures after the decimal point indicate hundredth parts (.01 kWh = 10Wh).

General Specifications

Meter Type	Digital; Electrical; Electronic
Display Type	LCD
Number of Digits	7-digit, LCD backlit (white)
Meter Accuracy	1 %
Communication Port Type	PULSE 1000 imp/kWh
Calibrated service type	
Number of Inputs	3
Number of Outputs	3
Mounting type	DIN-rail mounting
Auxiliary	3×230/400 V
Sampling rate	1000 samples/s @ 50Hz
Display refresh time	1 second
Overload Indication	No
LED Indication	No
Type of measurement	Active Energy
Colour	White

Electrical Specifications

Number of Phases	3
Pulse Output	Yes
Maximum Measurement	0÷999999,9 kWh
Minimum Measurement	0,04 A
Measurement Range	0÷999999,9 kWh
Current range	100A
Power Factor	
Frequency	50 Hz.
Active power	YES
Reactive power	NO
Current input impedance	< 0.3VA
Voltage input impedance	>1000 k ohm
Dielectric strength	
Noise rejection CMRR	
Burst	4kV
Surge	6kV
Crest factor	
Rated current	100 A
Rated Voltage	3×230/400 V
Maximum Load	100A
Maximum power consumption in VA	8 VA;
Maximum power consumption in W	0,4 W
Rated impulse withstand voltage	6 kV 1.2/50 μs

Mechanical Specifications

Cut-out Height	92mm
Cut-out Width	92mm
Depth	65mm
Digit Height	6mm
Weight	358g
Width	4,5 modules (75 mm)
Height	90mm
Depth	64mm

Operation Environment Specifications

Minimum Temperature	-25°C
Maximum Temperature	+50°C
Temperature drift	
Storage temperature	-30°C to +70°C
Pollution degree	2
Relative humidity	0 to 95 %

Protection Category

IP Rating	(indoor) IP51
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Approvals

Compliance/Certifications	IEC / CE / CSA PN-EN 62052-11 PN-EN 62052-21 PN-EN 62053-21 PN-EN 62053-22 PN-EN 61000-4-2 PN-EN 61000-4-3 PN-EN 61000-4-4 PN-EN 61000-4-5 PN-EN 61000-4-6 PN-EN 61000-4-11
Approvals	
Declarations	MFR Declaration of Conformity

