

Features

- Single phase
- Energy meter
- With reset
- LCD

RS PRO Digital Power Meters

RS Stock No.: 734576



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

- Single phase indicator with LCD display.
The 734576 is a static (electronic) calibrated indicator of single-phase alternating current electrical energy in a direct system.
- A special electronic circuit under the influence of flowing current and applied voltage generates impulses in a quantity proportional to the electricity consumed. Power consumption is indicated by the LED flashing. The number of pulses is converted into energy consumed, and its value is indicated by a segment LCD display. The figures after the decimal point indicate hundredth parts (.01 kWh = 10 Wh).

General Specifications

Meter Type	Digital; Electrical; Electronic
Display Type	LCD
Number of Digits	4
Meter Accuracy	1 %
Communication Port Type	PULSE 1000 imp/kWh
Calibrated service type	
Number of Inputs	
Number of Outputs	1
Mounting type	DIN-rail mounting
Auxiliary	18-260VAC
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	1
Pulse Output	Yes
Maximum Measurement	99999.9 (Active) kWh, 99999.9 (Reactive) kVARh
Minimum Measurement	0kWh
Measurement Range	0 to 99999.9 (Active)kWh
Current range	80A
Power Factor	
Frequency	50 Hz.
Active power	
Reactive power	
Current input impedance	< 0.3VA
Voltage input impedance	>1000 k ohm
Dielectric strength	
Noise rejection CMRR	100 dB, 48 to 62 Hz
Burst	4kV
Surge	6kV
Crest factor	≤3 (15A max. peak)
Rated current	80 A
Rated Voltage	AC 230V
Maximum Load	80A
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	184g
Width	36mm
Height	90mm
Depth	64mm

Operation Environment Specifications

Minimum Temperature	-25°C
Maximum Temperature	+65°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

INCLUDES WITH PRODUCT: / STANDARD ACCESSORIES /
CONSTRUCTIONAL DIAGRAM

