

**NEW!!!**

# HMK-30-DC

Energy meter for DC applications

IDEAL FOR SUN ENERGY PHOTOVOLTAIC APPLICATION

**Solar,  
Wind Power and  
DC/AC Converters**



- Voltage measurement up to 800 V d.c.
- Completely programmable by Setup
- 4 digit display, 7 segments (high efficiency)
- Digital output by means of opto-insulated transistor, programmable by Setup
- 1% accuracy in energy
- Two types of energy meter:
  - o Direct connection up to 30 A, type HMK-30-DC
  - o Connection via shunt (.../60 mV), type HMK-SH-DC
- This energy meter has been specifically designed for sun energy photovoltaic applications
- Its features are thought mainly for integration in DC electrical networks
- Ideal for new and existing installations



## DC Kilowatt



Nominal current	Display	Modules	Units	Impulse output	Type	Code
30 A dc	Digital	2	kW·h, V, A, kW	1	HMC-30-DC	HM30300
.../60 mV	Digital	2	kW·h, V, A, kW	1	HMK-SH-DC	HMC30400

## Features

	HMK-30-D	HMK-SH-DC
<b>Power supply circuit</b>	18-24 VDC	
Tolerance	± 10 %	
Consumption	4 V·A	
<b>Voltage circuit</b>		
<b>Nominal voltage</b>		
<b>Maximum voltage</b>		
<b>Current circuit</b>		
Consumption	0,5 V·A	
Type of input	Direct	indirect
Primary current	30 A dc	.../60 mV
Permanent maximum current	36 A dc	
<b>Display</b>	Digital	
Digits	4	
Units of energy	kW·h	
Resolution	0,001 kW·h	
Maximum readable value	999 999 kW·h	
<b>Class</b>	1	

	HMK-30-DC	HMK-SH-DC
<b>Environmental conditions</b>		
Operating temperature	- 40 ... +70 °C	
<b>Assembly features</b>		
Dimensions (modules)	30 x 85 x 63,8 (2)	
Weight	170 g	
Type of casing	DIN rail	
Degree of protection: Terminal	IP 54	
Connection - screws	posidriv	panel
<b>Impulse outputs</b>		
Type of outputs (transistor)	Opto-isolated	
Maximum current	50 mA	
Maximum voltage	35 V dc	
Impulse cadence	programmable	
Length of pulse	240 ms	
Insulation	500 Vdc	
<b>Standards</b>	IEC 1010, IEC 348, IEC 664, EN 50081-1, EN 50082-1, IEC EN 62053-31	

## ACCESSORIES



SHUNTS



Impulse centraliser  
call factory for more info

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