

# M96 C6NKP

## Single Phase Electronic Watt-Hour Meter

Revision 2006

Class 2 single-phase electronic meter with four-tariff register, optical IEC 62053-21 port, 12 Mb load profile, 60 A direct.

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### **Manufactured in-house at our SMT line.**

DDM Novastar SPR-45 + LS60 + GF-120HT, AOI on every joint, per-unit calibration to NVRAM.

[Energetika-VDS](#) · [Strumica, Macedonia](#) · [energetika-vds.com](#)

Catalog detail on the following pages.



ENERGETIKA UDS

Class	2 and 1
Metrical standard	IEC 62053-21
Nominal voltage $U_n$	220V
Power frequency	50Hz
Nominal current $I_n$	10A
Maximal current	60A
Initiating current	5mA
Error limits	
0.05 $I_n$ ... $I_{max}$ , $\cos\phi = 1$	$\pm 1\%$
0.1 $I_n$ ... $I_{max}$ , $\cos\phi = 0.5$	$\pm 1\%$
Power counter constant	800imp/kWh
Working temperature	-20C +70C
Pover consumption	1.76VA
High voltage testing	>2.4kV, 50Hz, 1min
Over voltage testing	>6kV, 1.2/50 $\mu$ s
Voltage dependence	
$\pm 10\% U_n$ , $I = I_n$	$\pm 0.5\%$
Frequency dependence	
$\pm 5\% f_n$ , $I = I_n$	$\pm 0.5\%$
Weight	1.68kg
Inner fitting diameter	6.5mm

The following data are possible through the optical port

- reading the consumed electrical energy in all tariffs
- reading the consumed electrical energy for fifteen months before in all tariffs, on the first day each month
- reading the actual voltages in phases  
Ur with accuracy  $\pm 0.2$  V
- reading the actual current in phases  
Ir with accuracy  $\pm 0.2$  A
- change of the current time and day
- reading the current time and day
- change of date, month and year
- reading the date, month, and year
- change of the memory managing the tariffs
- setting a serial number for the Watt-hour meter
- reading the serial number for the Watt-hour meter
- survey of the memory managing the tariffs
- setting a variable for the Watt-hour meter
- reading the set variable
- identification of the Watt-hour meter
- displaying a fault
- memory 12 Mb
- E - enable save
- D - disable save
- W - save
- R - read memory
- M - memory full
- G - memory error
- change memory from 1 min. to 60 min. to save the  
Ir , Ur , Wr  
( 1 min. can save 47 day , 2 min. can save 94 day ... etc)
- change of baud rate (300-9600)bit/s