

T96 C1NKP

Three Phase Electronic Watt-Hour Meter

Revision 2006

Class 2 three-phase CT-connected electronic meter with optical IEC 62053-21 port, four-tariff register, 12 Mb load profile.

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.



Class	2 and 1
Metrical standard	IEC 62053-21
Nominal voltage	3*220/380V
Power frequency	50Hz
Nominal current	5A
Maximal current	6A
Initiating current	0.5mA
Error limits	
0.05In...I _{max} , cosφ=1	± 1%
0.1In...I _{max} , cosφ=0.5	± 1%
Power counter constant	8000imp/kWh
Working temperature	-20C +70C
Power consumption	1.9VA
High voltage testing	>2.4kV, 50Hz, 1min.
Over voltage testing	>6kV, 1.2/50μs
Voltage dependence	
± 10% Un, I=In	± 0.5%
Frequency dependence	
± 5% fn, I=In	±0.5%
Weight	1.88kg
Inner fitting	
Diametar	4.5mm

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 three phases
Ur, Us, Ut with accuracy ± 0.02 V
- reading the actual current in three phases
Ir, Is, It with accuracy ± 0.02 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, Is, It, Ur, Us, Ut, Wr, Ws, Wt
(1 min. can save 47 day, 2 min. can save 94 day ... etc)
- change of baud rate (300-9600)bit/s