



**CONTO D2**  
**STATIC WATT- HOUR**  
**METER**

Single-phase line  
Active energy count  
Partial active energy  
count (resettable)

To measure and display  
voltage, current, active

power TRUE RMS value

Direct connection up to 240V 63A

Version with pulse output for remote monitoring

Starting current (EN 62053-21) :  $<0.5\%I_b$

Power factor

Specified operating range (EN 62053-21):  $\cos 0.5$   
ind...0.8 cap

Rated burden:  $<8VA$

**PULSE OUTPUT**

Output on optoelectronic relay with SPST-NO volt  
free contact

Contact range: 110Vda/ac 50mA

Pulse Output: 1 imp/10Wh

**INPUT**

Reference Voltage: 230 and 240V

Specified operating range (EN 62053-21):  
207...264V

Reference frequency  $f_n$ : 50and 60Hz

Tolerance: 47...63 Hz

Basic current,  $I_b$ : 20A or 32A

Maximum current,  $I_{max}$ : 36A ( $I_b$  20A) or 63A ( $I_b$   
32A)

**ENVIRONMENTAL CONDITIONS**

Reference temperature: 23C +/- 2C

Specified operating range: -10...45C

Limited range for storage and transport:-25...70C

Suitable for tropical climates

Max power dissipation\*:  $<6.5W$

\* For switchboard thermal calculation



System	Single Phase
Input Voltage (Vn)	230-240V
Voltage Variation	207-264V
Input Current (In)	20A (max 36A) or 32A (max 63A)
Frequency	50/60Hz $\pm 5\%$
Display	LCD, 6mm high
Parameter Display	kWh - 6 digit (max 99999.9) / Current - 3 digit / Voltage - 4 digit / Active Power - 5 digit
kWh Reset	via front pushbutton
Metering LED	1 imp/Wh
Accuracy	Class 2 (EN61036) / Current $\pm 1\%$ (10% In to I <sub>max</sub> ) / Voltage $\pm 1\%$ (90 to 110% Vn) / Power $\pm 1.5\%$ (10% In to I <sub>max</sub> )
Power Factor Range	0.5-1-0.8 cos-phi
Starting Time	< 5 secs
Starting Current	< 0.5% In
Burden	$\leq 8VA$
Auxiliary Supply	Self Supplied
Pulse output Ratio	1 pulse/10Wh
Contact Type	SPST N/O Contact 110Vac/dc 50mA
Insulation	Input-Pulse Output 2kV 50Hz/1min / All Circuits - Earth 4kV 50Hz/1min
Electromagnetic Compatibility	Emission tests according to EN50081-1, EN55011 / Immunity tests according to EN50082-2
Reference Temperature	23°C $\pm 2^\circ C$
Normal Working Range	-10 to 45°C
Storage Temperature	-25 to 70°C
Connections	Screw Terminals
Cable Size (Rigid)	Current min 4mm <sup>2</sup> - max 35mm <sup>2</sup> / Voltage min 1mm <sup>2</sup> - max 7mm <sup>2</sup>
Cable Size (Flexible)	Current min 10mm <sup>2</sup> - max 25mm <sup>2</sup> / Voltage min 1mm <sup>2</sup> - max 4mm <sup>2</sup>
Weight	150g

### Wiring Diagram

### Dimensions

S.1000/186

