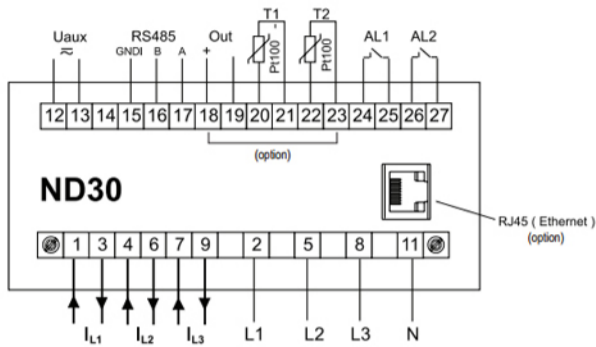


Power Indicator PCE-ND30



Page 1 U1 223.162 V I1 0.025 A U2 223.082 V I2 0.025 A U3 223.095 V I3 0.026 A f 50.001 Hz I avg 0.025 A	Page 2 U12 0.000 V ΣP 12.309 W U23 0.000 V ΣQ -11.671 var U31 0.000 V ΣS 16.963 VA U123 0.000 V PF avg 0.726
Page 3 P1 4.094 W PF1 0.726 P2 4.068 W PF2 0.724 P3 4.148 W PF3 0.727 ΣP 12.309 W PF avg 0.726	Page 4 P1 4.094 W Q1 -3.878 var P2 4.068 W Q2 -3.875 var P3 4.148 W Q3 -3.918 var ΣP 12.309 W ΣQ -11.671 var
Page 5 THD U1 2.569 % THD I1 84.045 % THD U2 2.568 % THD I2 84.446 % THD U3 2.568 % THD I3 84.317 % THD U 2.568 % THD I 84.269 %	Page 6 U1 223.162 V S1 5.639 VA I1 0.025 A PF1 0.726 P1 4.094 W tg1 -0.947 Q1 -3.878 var f 50.001 Hz
Page 7 U2 223.082 V S2 5.618 VA I2 0.025 A PF2 0.724 P2 4.068 W tg2 -0.953 Q2 -3.875 var f 50.001 Hz	Page 8 U3 223.095 V S3 5.706 VA I3 0.026 A PF3 0.727 P3 4.148 W tg3 -0.945 Q3 -3.918 var f 50.001 Hz
Page 9 ΣP 12.309 W P DMD 12.337 W ΣQ -11.671 var S DMD 17.031 VA I avg 0.025 A I DMD 0.025 A I(N) 0.000 A f 50.001 Hz	Page 10 ΣP 12.309 W EnP+ 988.368 kWh ΣQ -11.671 var EnP- 0.000 Wh ΣS 16.963 VA EnQ L 3.786 kvarh En S 1384.727 kWh EnQ C 985.790 kvarh



The power indicator PCE-ND30 can be used to measure 54 parameters in a UI network. In addition to the performance measurement of the power indicator PCE-ND30, it can detect voltage, current, and harmonics up to the 51st order. The power display can be used as 1 or 3 phase. It does not matter if the connected load is balanced or unbalanced. All readings are displayed graphically on the display from the power meter. What measurement values are displayed, can be set by the user. This can be done in up to 10 groups with 8 measurement parameters. In addition to displaying the current measured values, the power display can also represent maximum and minimum values.

Two built-up relays can be used for alarming at reduced or crossing borders. Optionally, the user still a 0/4 ... 20 mA analog output and two inputs for PT100 temperature sensors. Also, the power indicator can be equipped with an 8 GB memory and Ethernet interface. The network interface can be accessed on a web interface and the memory of the performance indicator. On delivery the RS485 Modbus interface is installed, on the power meter can be programmed and read.

- ▶ Measurement of all parameters from a U / I network - Measurement of harmonics up to 51th order
- ▶ 2 x PT100 input optional
- ▶ RS485 Modbus
- ▶ Alarm relay and analog output
- ▶ Web interface and data memory optional
- ▶ Panel mounting

Specifications

Technical specifications

Measuring ranges

Power (Class 0.2)

1 A AC

0.1 ... 1.2 A

5 A AC

0.5 ... 6.0 A

max. Display Area: 20 kA

Voltage LN (Class 0.2)

57.7 V AC

11.5 ... 70 V

230 V AC

46 ... 276 V

400 V AC

80 ... 480 V

max. Display area: 480 kV

Voltage LL (Class 0.5)

100 V AC

20 ... 120 V

400 V AC

80 ... 480 V

690 V AC

138 ... 830 V

max. Display area: 830 kV

Active Power (Class 0.5)

± 1999.9 W

max. Display range: ± 1999.9 MW

Reactive power (Class 1)

± 1999.9 Var

max. Display range: ± 1999.9 MVar

Apparent power (Class 0.5)

0 ... 1999.9 Va

max. Display range: 0 ... 1999.9 MVA

Active energy (Class 0.5)

± 1999.9Wh

max. Display range: ± 1999.9 MWh

Reactive energy (class 1)

± 1999.9 Varh

max. Display range: ± 1999.9 Mvarh

Apparent energy (Class 0.5)

0 ... 1999 VAh

max. Display range: 0 ... 1999.9 MVAh

Active power factor

-1 ... 1

Action bill money

-1.2 ... 1.2

Frequency

45 ... 65 Hz

Harmonic distortion / Harmonic Distortion

0 ... 100%

Harmonics voltage and current up to 51. order

0 ... 100%

Additional Specifications

Temperature input (optional)

2 x 2-wire PT100

-50 ... 400 ° C / -58 ... 752 ° F

± 0.5% v. MB.

RS485 interface

Modbus RTU

8N2, 8E1, 8O1, 8N1

address: 1 ... 247

Baud rate: 4800, 9600, 19200, 38400,

57600, 115200

Ethernet 10/100

Protocols: TCP, HTTP, FTP

display

3.5 "LCD

320 x 240 pixels

dimensions

96 x 96 x 77 mm / 3.7 x 3.7 x 3 in

Panel Cutout

92.5 x 92.5

More information

Manual



More product info



Similar products



Subject to change



Weight	300 g / 10.5 oz
Protection	Front: IP65 connection side: IP20
Power supply	85 ... 253 V AC 90 ... 300 V DC
Input	6 VA
Power loss	Voltage side: 0.2 VA current side: 0.1 VA
Heating time	5 minutes
Operating conditions	-10 ... 55 ° C / 0 ... 95% rh
Operating position	Each
Overload	Voltage: 2 x Un (5 seconds), current: 50 A (1 second).
Electromagnetic compatibility	EN 61000-6-2 EN 61000-6-4
Housing insulation	Double to EN61010-1
Pollution degree	2
Insulation Category	III

Subject to change