NP40
Portable power quality analyzer

- half cycle RMS measurement (voltage and current);
- measurement of TRMS currents up to 3000 A (with standard sensor);
- measurement in 1-phase and 3-phase systems (3 - and 4-wire);
- measurement of voltage, current, harmonics, power, energy, inrush current, flicker and other;
- graphical presentation of data in a waveform and vector diagram;
- record of events: dips, swells, over voltages;
- power quality according to EN-50160 standard or user-defined limit;
- internal memory for data logging needs (continuous registration from 2 hours to 7 days), the registration frequency from 1 second up to 60 minutes;
- built-in 8G memory card;
- Ethernet interface for remote operation of the analyzer;
- USB Host to move archive data and screenshots to an external USB memory;
- safety standards: EN 61010-1, CAT III 1000V / CAT IV 600V;
- 5,6" TFT color screen, 320 x 240 pixel;
- waveform real-time display (4 voltages/4 currents).

NP15
TRUE RMS digital multimeter with data logger & view function

- voltage measurement of AC, DC and AC / DC up to 1000V;
- current measurement of AC, DC and AC / DC up to 10A;
- low input impedance;
- measurement of TRMS effective;
- data logging & view function (up to 32000 readings);
- 100 kHz bandwidth for voltage measurement;
- resistance measurement;
- frequency and duty cycle measurement;
- temperature measurement with J, K, Pt100 & Pt1000 sensors;
- capacitance measurement;
- automatic / Manual measuring range selection;
- low-pass filter mode with a cutoff frequency of 1kHz;
- voltage noise measurement and suppression (dB);
- square wave signal generator;
- continuity test and diode test;
- function: Backlight, Relative / Zero, Auto Hold, Min / Max / Avg;
- acoustic signal indicating the overrange (Go / NoGo);
- information on dangerous voltage at the terminals;
- external power supply;
- fuse 16 A for all current measurement ranges to protect the device.

NP10
Digital multimeter

- capacitance from 1pF...40.00 mF with zero correction;
- direct and alternating voltages from 100 µV ... 1000 V;
- direct and alternating currents from 10 µA ... 10.00 A;
- resistance from 100 mΩ... 60.00 MΩ;
- frequencies from 10.00 Hz ... 10 MHz;
- diode measurement and continuity testing;
- hold measurement- the value can be held and display simultaneously;
- relative measurement by pressing and holding PEAK and then pressing AUTO/MAN key;
- duty cycle (%) measurement;
- temperature measurement with 'K' type Thermocouple (NiCr – Ni) in the range from 0°C to 1300°C acc. to EN 60584;
- peak value measurement.

MORE INFORMATION IN OUR CATALOG:

NC14
Power clamp-on meter

- AC & DC voltage measurement up to 1000 V;
- AC & DC current measurement in the range of 1000 A / 400 A;
- inrush/peak value measurement;
- active, reactive and apparent power measurement;
- power measurement in KM;
- energy consumption measurement in kWh;
- measurement up to 49th harmonics;
- phase angle measurement;
- THD measurement;
- DF measurement;
- crest factor /CF/ measurement;
- power factor /PF/ measurement;
- LPF mode.

Electrical Safety 1000 V CAT III

Electrical Safety 600 V CAT IV

NC12
Clamp-on meter

- current measurement up to 300 and 1000 A AC;
- measuring voltage up to 1000 V AC / DC;
- measuring temperature from -200°C to 800°C (Pt100 and Pt1000);
- the diameter of measured cable 50 mm (the meter up to 1000A);
- the diameter of measured cable 40 mm (the meter to 300A);
- illuminated digital display with analog indicator;
- a number of features:
- HOLD - Stop function currently displayed measured value,
- MIN, MAX - recording the minimum and maximum values measured;
- auto power off;
- an adjustment of the resistance or capacitance - for low measuring low resistance or capacitance, resistance wire or stray capacitance for a range of nF can be compensated by pressing the Shift;
- automatic and manual mode;
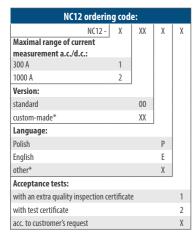- available measuring function diodes and transistors;
- degree of protection IP20.

NT10
Insulation meter

- insulation resistance measurement up to 3 GΩ;
- measurement of DC and AC voltage in the range of 30 mV...1000 V;
- measurement of DC and AC current in the range of 300 μA...300 mA;
- resistance measurement 30 Ω...30 MΩ;
- capacity measurement 30 nF...30 μF;
- frequency measurement 300 Hz...100 kHz;
- measuring the fill factor (%);
- HOLD Function;
- temperature measurement in the range of -200...800°C / Pt100/ Pt1000;
- analog scale.

ORDERING CODES

NP40 ordering code:

	NP40 -	X	XX	X	X
Additional equipment:					
lack	0				
4 pcs. Rogowski coils PY 3000 A	1				
4 pcs. Rogowski coils PY 5000 A	2				
4 pcs. current clamps KLC8C 5 A	3				
4 pcs. current clamps CTC0080 50 A	4				
4 pcs. current clamps CTC0130 100 A	5				
4 pcs. current clamps CTC1535 1000 A	6				
Version:					
standard		00			
custom-made*		XX			
Language:					
Multilanguage (Polish/ English)			M		
other*			X		
Acceptance tests:					
without extra requirements				0	
with an extra quality inspection certificate				1	
acc. to customer's request				X	

* - after agreeing with the manufacturer

NP15 ordering code:

	NP15 -	X	XX	X	X
Type:					
NP15-2	2				
NP15-3	3				
NP15-5	5				
NP15-6	6				
Version:					
standard		00			
custom-made*		XX			
Language:					
Polish			P		
English			E		
other*			X		
Acceptance tests:					
with an extra quality inspection certificate				1	
with test certificate				2	
acc. to custromer's request				X	

NP10 ordering code:

	NP10 -	X	XX	X	X
Type:					
NP10-2	2				
NP10-3	3				
NP10-5	5				
NP10-6	6				
Version:					
standard		00			
custom-made*		XX			
Language:					
Polish			P		
English			E		
other*			X		
Acceptance tests:					
with an extra quality inspection certificate				1	
with test certificate				2	
acc. to custromer's request				X	

NC14 ordering code:

	NC14 -	X	XX	X	X
Maximal range of current measurement a.c./d.c.:					
400 A	1				
1000 A	2				
Version:					
standard		00			
custom-made*		XX			
Language:					
Polish			P		
English			E		
other*			X		
Acceptance tests:					
with an extra quality inspection certificate				1	
with test certificate				2	
acc. to custromer's request				X	

* - after agreeing with the manufacturer

NC12 ordering code:

	NC12 -	X	XX	X	X
Maximal range of current measurement a.c./d.c.:					
300 A	1				
1000 A	2				
Version:					
standard		00			
custom-made*		XX			
Language:					
Polish			P		
English			E		
other*			X		
Acceptance tests:					
with an extra quality inspection certificate				1	
with test certificate				2	
acc. to custromer's request				X	

NT10 ordering code:

	NT10 -	XX	X	X
Version:				
standard		00		
custom-made*		XX		
Language:				
Polish			P	
English			E	
other*			X	
Acceptance tests:				
with an extra quality inspection certificate				1
with test certificate				2
acc. to custromer's request				X

* - after agreeing with the manufacturer

LUMEL
EVERYTHING COUNTS

www.lumel.com.pl