



NP40 power quality analyzer is the professional portable device to measure and analyze the power system quality, supply the harmonics analysis and power quality data analysis, also provide big memory for the data storage, which is used to make the long term logger measuring to power system. The PC software can simply upload the data to PC for full analysis.

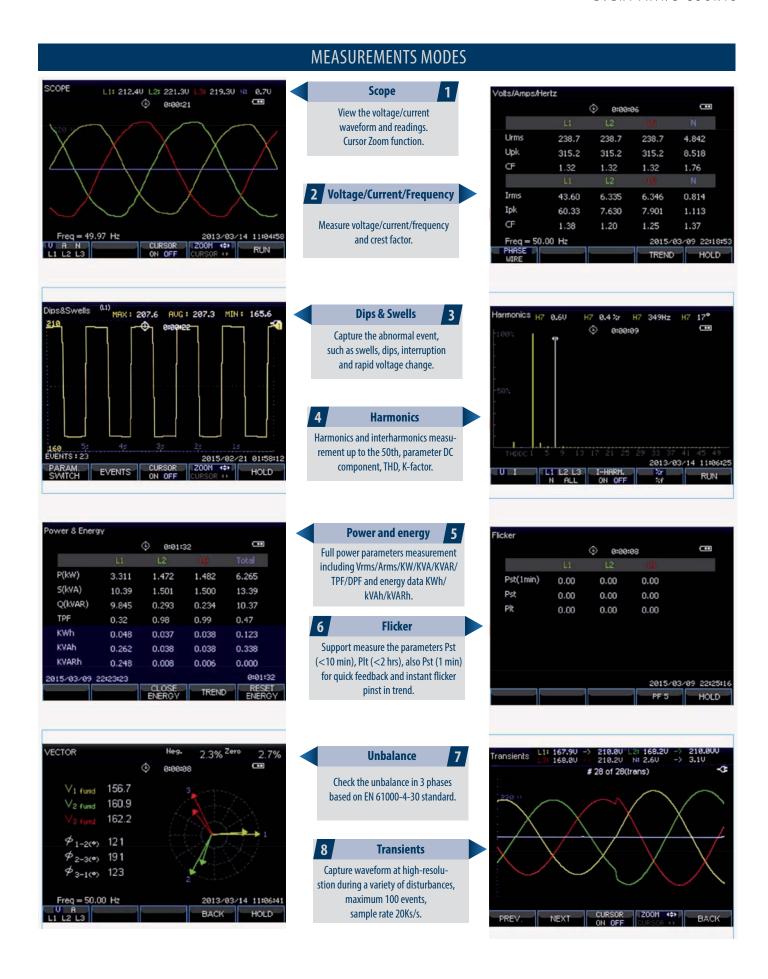
FEATURES

- 5,6" TFT color screen, 320 x 240 pixel.
- Waveform real-time display (4 voltages/4 currents).
- Half cycle RMS measurement (voltage and current).
- Measurement of TRMS currents up tp 3000 A (with standard probes mode).
- 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, overvoltages.
- Power quality according to EN-50160 standard or user-defined limit (registration time from 2 hours to 7 days).
- Registration of user-defined parameters in the 8GB internal memory (frequency of registration from 1 second up to 60 minutes, registration time from 2 h up to 1 year).
- 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.
- The analyser set: analyzer, voltage tests leads aligator clips (5x), DC power adapter, CD with software, user's manual.





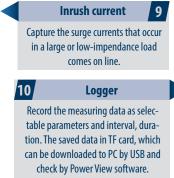














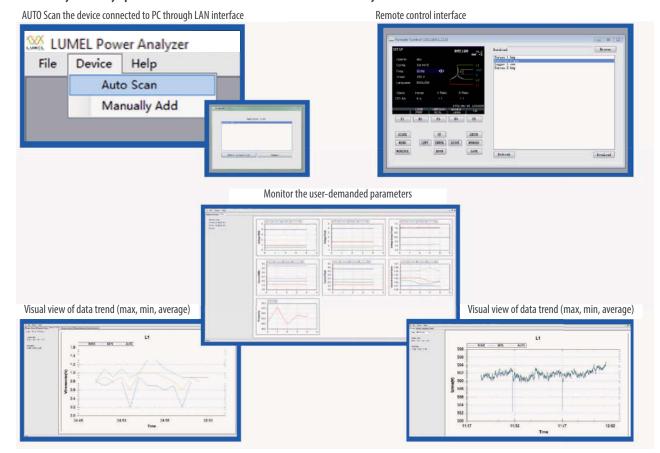


Monitor

Measure all the parameter Vrms,
Arms, harmonics, flicker, dip, swell,
rapid voltage change, interruption,
unbalance, frequency at the same
time, checkwhether meet the requirements limited by users or default
standards EN50160. The monitoring
time lasts from 2 hours to 7 days.

LUMEL POWER ANALYZER SOFTWARE

LUMEL Power Analyser is easy operation software to make the remote control to analyzer and view the download data.





TECHNICAL DATA

► INPUTS

VOLTAGE INPUTS			
Input Channels	4 (3-phase + neutral)		
Max. input voltage	000 Vrms		
Range of nominal voltage	50500V		
Max pulse peak voltage	6kV		
Bandwidth	>3kHz		
Input impedance	4MΩ/5pF		
CURRENT INPUT			
Number of input	3-phase+ neutral) DC coupling		
Туре	clamp current sensor with mV output		
Input range	13000 Arms with supplied current clamp		
Input Impedance	50 kΩ		
Bandwidth	>3kHz		
SAMPLING SYSTEM			
Resolution	8 channels 16 bits AD		
Sampling rate	20kS/s for each channel, 8 channels sample synchronously		
RMS sampling	5000 points for 10/12 cycles (according to EN 61000-4-30)		
PLL synchronizacja	4096 points for 10/12 cycles (according to EN 61000-4-7)		

► MEASUREMENT

	Measurement range	Resolution	Accuracy	
VOLTAGE/CURRENT/FREQUEI	NCY			
Vrms (AC+DC)	1 ~ 1000Vrms	0.1Vrms	$\pm0.5\%$ of nominal voltage	
Vpk	1 ~ 1400Vpk	0.1Vpk	$\pm0.5\%$ of nominal voltage	
V (crest factor)	1.0 ~ >2.8	0.01	± 5%	
Arms (AC)	1~ 1000A/3000A/5000A	1A	± 1% ± 2A	
Arms (AC)	1~ 100A	0.1A	± 1% ± 0.2A	
Apk	1 ~ 4000Apk	1A	± 1% ± 2A	
A (crest factor)	1 ~ 10	0.01	± 5%	
Fraguency	42.5 ~ 57.5Hz (50Hz nominal)	0.01Hz	± 0.01Hz	
Frequency	51 ~ 69Hz (60Hz nominal)	0.01Hz	± 0.01Hz	
DIPS & SWELLS				
Vrms1/2	0 ~ 200% of nominal voltage	0.1Vrms	± 1%	
Arms1/2	1 ~ 3000A	1A	± 1% ± 2A	
Threshold levels	Threshold is settable according to nominal voltage percentage. Detectable events type: dips, swells, interruption, voltage rapid change.			
Duration	hour-minute-second-microsecond	0.5 period	1 period	



► MEASUREMENT

HARMONIC Immere 1 - 50 Immeression function		Measurement range	Resolution	Acuuracy	
Inter-harmonic 1~49 Image: Not	HARMONIC				
Harmonic voltage 0.0 - 100.0% 0.1% ±0.1% ± πα.0.1% Harmonic current 0.0 ~ 100.0% 0.1% ±2.5% DC Relative 0.0 ~ 100.0% 0.1% ±2.5% DC Relative 0.0 ~ 100.0% 1.1% ±0.2% Phase 360° - 0° 1° ±0.2% POWER & ENERGY Active power BWN, appearst power SWN, logorent power SWN, logor	Harmonnic number	1 ~ 50			
Hammonic current 0.0 − 100.0% 0.1% ±0.1% ± ±0.1% ± ±0.0% THD 0.0 − 100.0% 0.1% ±2.5% DCRelative 0.0 − 100.0% 0.1% ±0.2% Frequency 0 − 3500Hz 1Hz 1Hz Phase 3.00° − 0° 1P² ± xnt.15° POWER & ENERGY V ± 1.5 ± 10 characters Active power (9 kWn), apparent power (8 kWn), apparent power (9 kWn) 1.0 ~ 2000MW 0.1kW ± 1.5 ± 10 characters Killowath-thour 0.00kWh ~ 2000kWh 100vh ± 1.5 ± 10 characters Killowath-thour 0.00kWh ~ 2000kWh 0.01 ± 0.03 Cosp (DPF) 0 − 1 0.01 ± 0.03 TEICKER 0 − 0.1 0.01 ± 3 FLICKER Pst (1min), Pst, Pit, PfS 0.0 ~ 20.00 0.01 ± 5% DK Current phase 0.0 ~ 5.0% 0.1% ± 0.5% Current phase 3.00° ~ 0° 1° ± 2 digits Current phase ± 5.000 yks 1 </td <td>Inter-harmonic</td> <td>1 ~ 49</td> <td></td> <td></td>	Inter-harmonic	1 ~ 49			
THD 0.0 ~ 100.0% 0.1% ±2.5% DC Relative 0.0 ~ 100.0% 0.1% ±0.2% Frequency 0 ~ 3500Hz 1Hz 1Hz Phase −360° ~ 0° 1° ± xx1.5° POWER & ENERGY Native power P (WV), apparent power S (WA). 1.0 ~ 20.00MW 0.1kW ±1.5 ±10 characters Exercise power G (WV), apparent power S (WA). 1.0 ~ 20.00MW 10Wh ± 1.5 ±10 characters Exercise power G (WV), apparent power S (WA). 1.0 ~ 20.00MW 10Wh ± 1.5 ±10 characters Exercise power G (WV), apparent power S (WA). 1.0 ~ 20.00Wh 10Wh ± 1.5 ±10 characters Exercise power G (WV), apparent power S (WA). 4.0 ~ 0.0 1.0 ~ 0.0 ± 0.3 Exercise power G (WV), apparent power S (WA). 4.0 ~ 0.0 ± 0.03 1.0 ~ 0.0 Exercise power G (WV), apparent power S (WA). 4.0 ~ 0.0 1.0 ~ 0.0 ± 5.0 Exercise power G (WV), apparent power S (WA). 4.0 ~ 0.0 1.0 ~ 0.0 1.0 ~ 0.0 Exercise power G (WV), power S (WA).	Harmonic voltage	0.0 ~ 100.0%	0.1%	$\pm 0.1\% \pm nx0.1\%$	
DC Relative 0.0 ~ 100.0% 0.1% ±0.2% Frequency 0 ~ 3500Hz 1Hz 1Hz Phase -360° ~ 0° 1° ± nx1.5° POWER & ENERGY Active power (P(W)), apparent power's (WA), apparen	Harmonic current	0.0 ~ 100.0%	0.1%	±0.1% ± nx0.1%	
Frequency 0 - 3500Hz 1Hz 1Hz POWER & ENERGY Active power P (WM), apparent power 5 (WM), reactive power Q Navar) 1.0 - 20.00MW 0.1kW ± 1.5 ± 10 characters Klowatt-hour 0.00kWh - 2006Wh 10Wh ± 1.5 ± 10 characters Power factor (TPF) 0 - 1 0.01 ± 0.03 Gosg (DPF) 0 - 1 0.01 ± 3 FLICKER Pst (1min), Pst, Pt, PF5 0.00 - 20.00 0.01 ± 5% UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 0.5% Current phase 360° ~ 0° 1° ± 2 digits Voltage phase 360° ~ 0° 1° ± 5 digits Voltage phase 360° ~ 0° 1° ± 5 digits Voltage phase 360° ~ 0° 1° ± 5 digits Voltage phase 500° ~ 0° 1° ± 5 digits Voltage phase ± 0	THD	0.0 ~ 100.0%	0.1%	±2.5%	
Phase 360° ~ 0° 1° ± nx1.5° POWER & ENERGY Active power P (WV), apparent power 5 (WA), reactive power Q (Wxar) 1.0 ~ 20.00MW 0.1kW ± 1.5 ± 10 characters Kilowatt-hour 0.00kWh ~ 2000Wh 10Wh ± 1.5 ± 10 characters Power factor (TPF) 0 ~ 1 0.01 ± 0.03 Cosp (DPF) 0 ~ 1 0.01 ± 0.03 EQUITY (PFS) 0.0 ~ 2.00 0.01 ± 5% FLICKER Pst (Timin), Pst, Pit, PFS 0.00 ~ 20.00 0.01 ± 5% UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Current phase 360° ~ 0° 1° ± 2 digits Voltage phase 360° ~ 0° 1° ± 5 digits Voltage TRANSIENT Vision ± 0.000 Vision 1V ± 15.5 digits Sampling rate 20K5/6 10 ms ± 17% ± 5 digits <tr< td=""><td>DC Relative</td><td>0.0 ~ 100.0%</td><td>0.1%</td><td>±0.2%</td></tr<>	DC Relative	0.0 ~ 100.0%	0.1%	±0.2%	
POWER & ENERGY Acthe power P (WN), apparent power S (WA), reactive power Q (Woar) 1.0 ~ 20 00MW 0.1kW ± 1.5 ± 10 characters Killowath chour 0.00kWh ~ 200GWh 10Wh ± 1.5 ± 10 characters Power factor (TPF) 0 ~ 1 0.01 ± 0.03 Geg (DPF) 0 ~ 1 0.01 ± 0.03 Tgg (tan0) -1010 0.01 ± 3 FLICKER PSt (Tmin), PSt, PIt, PFS 0.00 ~ 20.00 0.01 ± 5% UNBALANCE Woltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Ypk ± 6000 Vpk 1V ± 15% Yms 10 ~ 1000Wms 1V ± 2.5% Min. Test Time 50us 50us Sampling rate 20kS/s 10ms ±	Frequency	0 ~ 3500Hz	1Hz	1Hz	
Active power P (WW), apparent power 5 (WA), reactive power Q (Wycar) 1.0 ~ 20.00MW 0.1kW ± 1.5 ± 10 characters Killowatt-hour 0.00kWh ~ 200GWh 10Wh ± 1.5 ± 10 characters Power factor (TPF) 0 ~ 1 0.01 ± 0.03 Gosp (DPF) 0 ~ 1 0.01 ± 0.03 Typ (tand) • 1010 0.01 ± 3 FLICKER FX (Timin), Pst, Pit, PF5 0.00 ~ 20.00 0.01 ± 5% UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.09% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits Voltage TRANSIENT Vyk ± 6000 Vyk 1V ± 15% Vms 10 ~ 10000/ms 1V ± 2.5% Sampling rate 20kS/s INTRUSH CURRENT Arms (AC+DC) 0 ~ 3000 Arms 0.1	Phase	-360° ~ 0°	1°	± nx1.5°	
10 = 20,000 0.1kV	POWER & ENERGY				
Power factor (TPF) 0 ~ 1 0.01 ± 0.03 Tgφ (tanθ) -1010 0.01 ± 3 FLICKER PSt (Tmin), Pst, Ptt, PFS 0.00 ~ 20.00 0.01 ± 5% UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vyk ± 6000 Vpk 1V ± 15% Voltage Transition		1.0 ~ 20.00MW	0.1kW	± 1.5 ±10 characters	
Cosφ (DPF) 0 ~ 1 0.01 ± 0.03 Tgφ (tan0) −1010 0,01 ± 3 FLICKER FILICKER Pst (1min), Pst, Ptt, PFS 0.00 ~ 20.00 0.01 ± 5% UNBALANCE Voltage 0.0 ~ 20.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vyk ± 6000 Vpk 1V ± 15% Voltage Transient Voltage	Kilowatt-hour	0.00kWh ~ 200GWh	10Wh	\pm 1.5 \pm 10 characters	
Tiggs (tand) -1010 0.01 ±3 FLICKER Pst (1min), Pst, Plt, PFS 0.00 ~ 20.00 0.01 ±5% UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vyk ± 6000 Vpk 1V ± 15% Virus 10 ~ 1000 Virus 1V ± 2.5% Min. Test Time 50us Sampling rate 20kS/s INFUSH CURRENT Arms (AC+DO 0 ~ 3000 Arms 0,1 ± 1% ± 5 digits Inrush duration 6s ~ 32min selectable 10 ms ± 20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data at stored in TF card, 8GB	Power factor (TPF)	0 ~ 1	0.01	± 0.03	
### FLICKER Pst (1min), Pst, Plt, PF5 0.00 ~ 20.00 0.01 ±5%	Cosφ (DPF)	0~1	0.01	± 0.03	
Pst (Imin), Pst, Pit, PFS 0.00 − 20.00 0.01 ±5% UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vypk ± 6000 Vpk 1V ± 15% Vrms 10 ~ 1000Vrms 1V ± 2.5% Min. Test Time 50us 5 Sampling rate 20k5/s 1 1 INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ± 1% ± 5 digits Inrush duration 6s ~ 32min selectable 10 ms ± 20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Tgφ (tanØ)	-1010	0,01	±3	
UNBALANCE Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vyk ± 6000 Vpk 1V ±15% Vrms 10 ~ 1000Vrms 1V ±2.5% Min. Test Time 50us 50us Sampling rate 20k5/s 1 ±1% ± 5 digits INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ± 5 digits Inrush duration 6 s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	FLICKER				
Voltage 0.0 ~ 5.0% 0.1% ± 0.5% Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vyk ± 6000 Vpk 1V ± 15% Vrms 10 ~ 1000Vrms 1V ± 2.5% Min. Test Time 50us Sampling rate 20kS/s 1 1 ± 1% ± 5 digits INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ± 1% ± 5 digits Inrush duration 6s ~ 32min selectable 10 ms ± 20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Pst (1min), Pst, Plt, PF5	0.00 ~ 20.00	0.01	±5%	
Current 0.0 ~ 20.0% 0.1% ± 1% Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vyk ± 6000 Vpk 1V ±15% Vyms 10 ~ 1000Vrms 1V ±2.5% Min. Test Time Sampling rate 20k5/s INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ± 5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	UNBALANCE				
Voltage phase -360° ~ 0° 1° ± 2 digits Current phase -360° ~ 0° 1° ± 5 digits VOLTAGE TRANSIENT Vpk ±6000 Vpk 1V ±15% Vrms 10 ~ 1000Vrms 1V ±2.5% Min. Test Time 50us Sampling rate 20kS/s INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ± 5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Voltage	0.0 ~ 5.0%	0.1%	± 0.5%	
Current phase -360° ~ 0° 1° ±5 digits VOLTAGE TRANSIENT Vpk ±6000 Vpk 1V ±15% Vrms 10 ~ 1000Vrms 1V ±2.5% Min. Test Time 50us Sampling rate 20kS/s INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Current	0.0 ~ 20.0%	0.1%	±1%	
VOLTAGE TRANSIENT Vpk	Voltage phase	-360° ~ 0°	1°	± 2 digits	
Vpk ±6000 Vpk 1V ±15% Vrms 10 ~ 1000Vrms 1V ±2.5% Min. Test Time 50us Sampling rate 20kS/s INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time	Current phase	-360° ~ 0°	1°	± 5 digits	
Vrms 10 ~ 1000Vrms 1V ±2.5% Min. Test Time 50us Sampling rate 20kS/s INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	VOLTAGE TRANSIENT				
Min. Test Time 50us Sampling rate 20kS/s INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1%±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Vpk	±6000 Vpk	1V	±15%	
Sampling rate 1NRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Vrms	10 ~ 1000Vrms	1V	±2.5%	
INRUSH CURRENT Arms (AC+DC) 0~3000 Arms 0,1 ±1% ±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Min. Test Time	50us			
Arms (AC+DC) 0~3000 Arms 0,1 ±1% ±5 digits Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Sampling rate	20kS/s			
Inrush duration 6s ~ 32min selectable 10 ms ±20 ms LOGGER Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	INRUSH CURRENT				
Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Arms (AC+DC)	0~3000 Arms	0,1	±1% ± 5 digits	
Recording user-definded parameters for 4 phases at the same time Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	Inrush duration	6s ~ 32min selectable	10 ms	±20 ms	
Memory data stored in TF card, 8GB Duration time 2 hrs to 1 year	LOGGER				
Duration time 2 hrs to 1 year	Recording	user-definded parameters for 4 phases at the same time			
	Memory	data stored in TF card, 8GB			
Interval 1s to 1 hr	Duration time	2 hrs to 1 year			
	Interval	1s to 1 hr			



► GENERAL CHARACTERISTICS

DISPLAY	
Screen	color TFT LCD
Size	5,6 inch
Resolution	320×240
Brigthness	adjustable
HOUSING	
Protection	protection shield, strong
IP	IP51, acc. to EN 60529
INTERFACE	
USB Host	Download file to PC by U disk for analyze with PC software.
LAN	For remote control of the analyzer and measurement data transmission.
MEMORY	
FLASH memory	128MB
Tf card	8GB
MECHANICAL	
Dimension	262×173×66mm
Weight	1.6 kg
ENVIROMENT	
Working temperature	0°C~ 40°C
Storage temperature	-20°℃ 60°℃
Humidity	90% relative humidity
POWER	
Adapter input	90~264V
Adapter output	9V 2.2A
Battery	rechargeable lithiumion 7.4V 4.4Ah
Battery working time	>7 hours
Battery charge time	4 hours
STANDARD	
Measurement method	EN 61000-4-30 Class-S
Measurement performance	EN 1000-4-30 Class-S
Power quality monitoring	EN 50160
Flicker	EN 61000-4-15
Harmonic	EN 61000-4-7
ELECTRICAL SAFETY	
Comply with	EN 61010-1
MAx. voltage at voltage input	600V CAT IV, 1000V CAT III



► ANALYZER SET

Voltage tests leads aligator clips	lenght 2m, 5 pcs
Power adapter DC	1 pc
Power patch cord	1 рс
Soft carry bag	1 pc
Hang strap	1 pc
CD wit software, user's manual	1 pc each

► THE SPECIFICATION OF ADDITONAL EQUPIMENT (CURRENT CLAMPS/ ROGOWSKI COILS)

Model	Range	Turns ratio	Accuracy	Size mm
KLC8C-5A (clamps)	5A	10mV/A	0.2%	Φ8
CTC0080 (clamps)	50A	10 mV/A	0.2%	Φ8
CTC0130 (clamps)	100A	10 mV/A	0.2%	Ф13
CTC1535 (clamps)	1000A	1 mV/A	1.0%	Φ52
PY-3000A (Rogowski coils)	3000A	65 mV/1000A	1.0% (+2% position error)	Φ162
PY-5000A (Rogowski coils)	5000A	50 mV/1000A	1.0% (+2% position error)	Ф143

ORDERING CODE

Table 1. NP40 ordering coo	le:			
Portable power quality analyzer NP40 -	χ	XX	χ	Χ
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)			М	
other*			Χ	
Acceptance tests:				
without extra requirements				0
with an extra quality inspection certificate				1
acc. to customer's request*				Χ

 $[\]ensuremath{^*}$ after agreeing with the manufacturer



PORTABLE MULTIMETERS & METERS

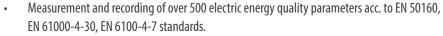


MORE INFORMATION IN OUR CATALOG:





- NEW POWER NETWORK ANALYZER/RECORDER



- Measuring class A for 3 second aggregation. 10 minute and 2 hour aggregation class S.
- Operation in 3 or 4-wire, 3-phase, balanced or unbalanced power networks.
- Analysis of current and voltage harmonics up to the 51 st for class I (acc. to EN 61000-4-7).
- Configurable archives of actual values and event recording.
- Data archiving on an SD card memory up to 32 GB.
- Web Server, FTP Server.
- Interfaces: RS-485 Modbus Slave, Ethernet 100 Base-T (Modbus TCP Server), USB Device & Host.
- Colour touch screen: LCD TFT 5.6", 640 x 480 pixels.
- IP65 protection grade from the frontal side.
- Synchronization of RTC clock with the NTP time server.

NP40-19A-en

