



**POWER QUALITY
AND RENEWABLE TESTING**

MESSTECHNIK



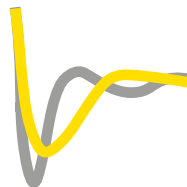
KVALITEST
— INDUSTRIAL —

PQA 8000



Power Quality

Harmonics, THD
Supraharmonics,
Symmetrical compo-
nents etc.



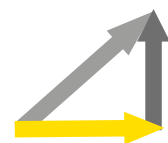
System Dynamics

Phasor Measure Unit
(PMU), Rate of Change
of Frequency (RoCoF),
WAMS, etc.



Transients

1/2 period values,
Phase Angle jumps,
Resonances,
Switching etc.



Power

Active, reactive,
apparent power,
PF, harmonic power,
energy, etc.

HIGH ACCURACY
HIGH SAMPLING RATE
HIGH RESOLUTION
HIGH DYNAMIC RANGE
HIGH SAFETY CATEGORY
DATA STORAGE

0.05%
124kS/s or 1MS/s
18bit
0.5mA to 150kA
CAT IV 600V
up to 1TB SSD

Batterie

4h
90 Wh

Display

10.1 inch
Multi-Touch

Isolation

6kV

Standards

IEC61000-4-30
Class A

HIGHLIGHTS



SMART TOUCH

The large 10.1 inch full-HD Smart Touch display responds immediately without any delay with intuitive operation like on a mobile phone.

MOBILE OPERATION

The integrated battery pack allows an operating time of up to 4 hours of operation. 5 LEDs indicate the remaining battery capacity. There is no need for an external power supply or special connectors... plug and play.

GPS

Integrated GPS enables high-precision time measurements & synchronization, which is ideal for PMU applications.



LARGE SSD

The instrument is equipped with two SSD disks. One is dedicated for the OS and application software, and the other one is equipped for data storage (up to 1 TB).

INTERFACES

The instrument provides an easy integration with other analog and digital signals such as temperature. The interfaces include USB 3.0, TCP/IP, LAN, Wifi, Bluetooth, RS232, Modbus, 104, DIO, and CAN.

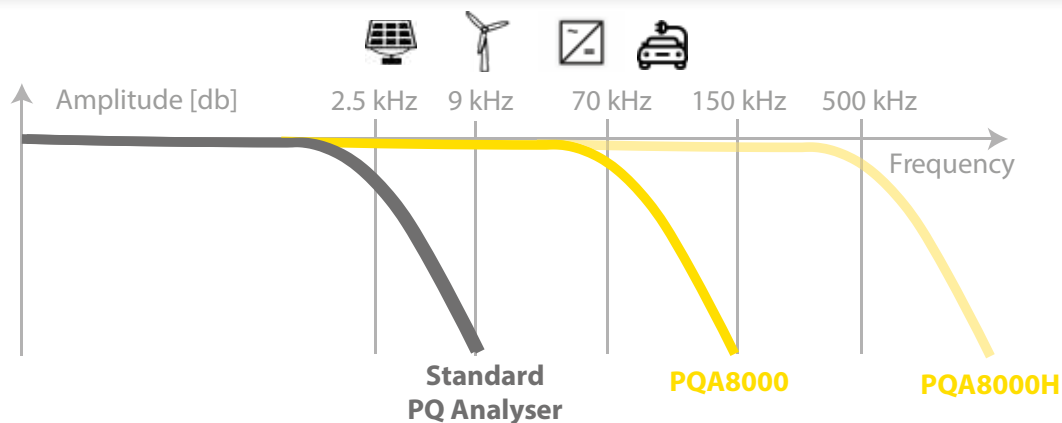
SENSOR SUPPLY

The instrument can provide excitation for your current sensors, and there is no need for batteries or external power supplies.

SUPRAHARMONICS UP TO 500 kHz FOR VOLTAGE AND CURRENT

Conventional PQ Analyzers, even if they are Class A certified, are not sufficient for modern measurement applications. We use the best available components to ensure the highest safety category and also the highest accuracy. NEO instruments offer high bandwidth (up to 1 MHz) and correct the frequency dependent behavior of current & voltage sensors as well as integrated electronics to achieve the best possible measurement results.

THE REFERENCE INSTRUMENT



INTRODUCTION

MOBILE POWER
QUALITY

POWER QUALITY
MONITORS

PQ SYSTEM
SOFTWARE

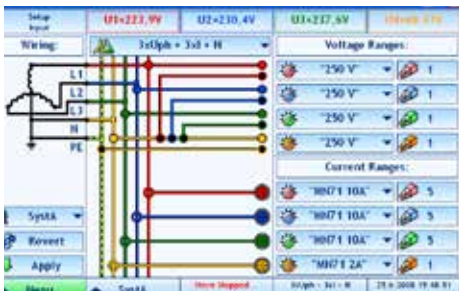
PHOTOVOLTAIK
TESTING

ACCESSORIES

SERVICES &
ABOUT NEO

1 SETUP

The instrument has a clear structure that shows schematics with explanations.



2 MEASURE

During measurements the user can define widgets such as Scopes, Vector Scopes, Harmonic FFTs, Tables, and Recorders.



TRULY INTUITIVE

Intuitive Measurement menus: Clearly structured and explicit menus

HIGHLIGHTS



3 ANALYZE

Sophisticated functions include PQ Data, Transients, Disturbances, and Alarms.



4 REPORT

The instrument can automatically generate reports and professional documentation. The user can create reports that include all relevant information (location, comments, company logo, etc) directly on-site or during post processing. PDF reports that are saved on the instrument are always available and can be shared directly via email.

**Report
EN50160**



**Database
SCADA**



**Remote
Connection**



5 EXPORT

Data can be exported into CSV, XLS, PDF, Comtrade, and PQDiff.

6 OTHER PROGRAMS

The instrument uses Microsoft Windows® as the operating system. Programs such as Microsoft Excel, Word or Matlab can be added as well as Email messaging services.

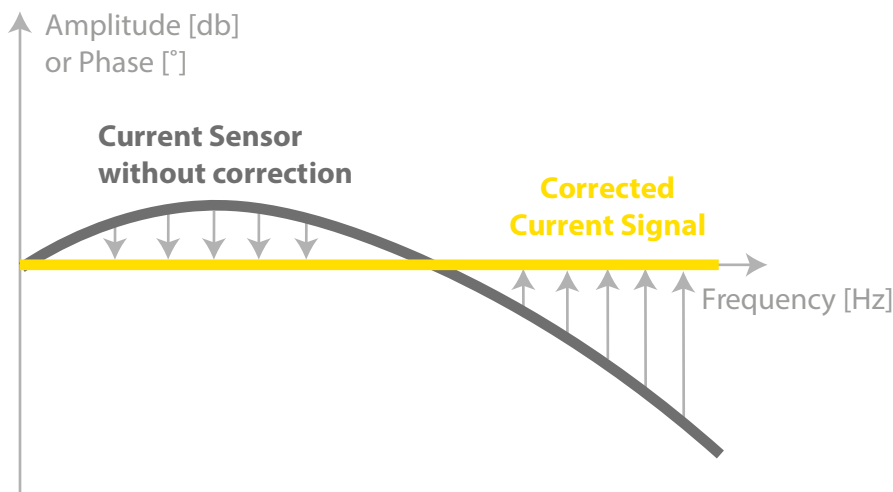
HIGHEST PRECISION

The NEO way of Sensor Integration

All current sensors offered by NEO Messtechnik are industry proven for different applications. We use and improve on the best available sensors in the market.

1) FREQUENCY DEPENDENT CALIBRATION

The NEO sensor integration calibrates each sensor over a wide frequency bandwidth and corrects frequency dependent phase shift and amplitude damping. This enables high precision from DC to high-frequency measurements.



2) MEASUREMENT RANGE DEPENDENT CALIBRATION

In addition, the sensors will be calibrated for each measurement range using multiple points. The calibration will typically cover points from 1% to 100% of the nominal measurement range. This will improve the accuracy and precision, especially at low current (e.g., 1% of nominal measurement range).

All sensors will be delivered with a standard calibration, which improves the accuracy compared to nominal specifications, whereas the NEO calibration will be performed on each individual sensor and needs to be ordered separately.



INSTRUMENT OPTIONS

PQA8000

4x Voltage Input 1600V DC
4x Current Input (Rogowski, Clamp)
CAN / RS485



PQA8000-P

4x Voltage Input 1600V DC
6x Current Input (Rogowski, Clamp)
2x Analog Input ($\pm 10V$)
CAN / RS485 / DIO



PQA8000-M

4x Voltage Input 1600V DC
8x Current Input (Rogowski, Clamp)
CAN / RS485 / DIO



CUSTOMIZE DESIGN

Instrument Colour



Customize the color of the rubber perimeter

Connector Color

-select the color of the connectors to match cabling or standards



In addition, the transport bag of the PQA8000 device can be embroidered with company logos.

SPECIFICATIONS & ACCESSORIES

INTRODUCTION

MOBILE POWER QUALITY

POWER QUALITY MONITORS

PQ SYSTEM SOFTWARE

PHOTOVOLTAIC TESTING

ACCESSORIES

SERVICES & ABOUT NEO



GENERAL SPECIFICATIONS

PC	Microsoft® Windows 10 IOT(64 bit) Intel® Quad Core Processor and 8GB RAM Locked OS for reliable operation Multilanguage Support
Storage	256GB SSD for OS and application software 256GB SSD dedicated for Data storage
Display	10.1 inch Capacitive Multi-Touch TFT LCD Sunlight Readable / 800cd
Battery	Li-Ion Battery 90Wh up to 4h operation
Power Supply	115V / 230V AC
Interfaces	3x USB, 1x Ethernet, WiFi, 1x HDMI
Dimensions	298 x 225 x 95 mm 11.8 x 8.8 x 3.7 inch
Weight	4kg / 8.8pound
Temperature Range	Operating: 0 to 60°C (32°F to 140°F) Storage: -20 to 80°C (-4°F to 176°F)
IP Class	IP2X
Accessories	Transport Bag and Keyboard included
Standards & Certification	IEC61010-1 (2011) / IEC61010-2-030 / IEC 61000-4-3 / IEC 61000-4-4 / LVD Directive 2014 / EMC Directive 2014/ Rohs Directive 2015/ EN 61000-3-2 / EN 61000-3-3 / EN 61326-1 / EN 55011 +A1, Class A

OPTIONS AND ACCESSORIES

SSD Upgrade	Upgrade to 512GB or 1TB data storage
GPS	Integrated GPS receiver and GPS mouse
GSM	Integrated Modem for telecommunication
DC Power	DC Power supply input +9V +36V DC
Dust Cover	Protect PQA8000 instrument in tough environments
Transport Case	Ruggedized Pelican-Case (IP67), with foamed insert adapted for the measurement instrument and pullout handle
color Code	Color code for all voltage and current inputs
Temperature Sensor	Thermocouple Type K temperature sensor on DSUB15 input
Radiation Sensor	Pyranometer Sensor on DSUB15 input
Current Sensor	See Chapter Accessories
Test Leads	See Chapter Accessories



SPECIFICATIONS

VOLTAGE INPUTS

Inputs	4x
Range	Standard: 1600V/ 800V MV-Version: 600V / 20V
Accuracy	0.05% f.s.
Isolation	6kV isolation
Safety	CAT III 1000V CAT IV 600V
Impedance	10 MΩ

CURRENT INPUTS

Inputs	PQA8000: 4x PQA8000-P: 6x PQA8000-M: 8x
Accuracy	0.05% f.s.
Type	Clamp or Rogowski
Instrument Ranges Clamp	2mV to 10V (15x Ranges)
Integrator Rogowski Range	1A to 300kA
Additional Analog Inputs (AIN)	1V, 2V, 5V, 10 V
Sensor Supply	±15V / 9V
TEDS	Automatic Sensor Detection*
Impedance	10 MΩ



ANALOG DIGITAL CONVERSION (A/D)

Sampling Rate / Resolution	PQA8000: 124 kS/s / 24bit PQA8000H: 1 MS/s / 18bit
Filters	Analogue and Digital Automatic Anti-Aliasing Filter

DIGITAL I/O & INTERFACES

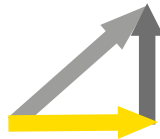
Digital In/Out	Adjustable Trigger max. 350V
CAN, RS485	Selectable Termination

POWER

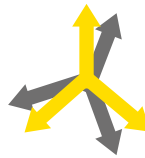
**Voltage
Current**



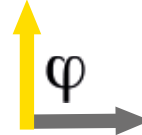
Power



Vector



**Reactive
Power**



Energy

kWh

**Digital
Signalling**



Power Calculation	P, Q, S, PF, cos phi, D, DH, QH
Frequency	10 sec, AVE, MIN, MAX
Voltage, Current	RMS, AVE, MIN, MAX, ½ Period-values, 200ms, 10s, 10min
Energy	Total, positive, negative (P, Q, P+, P-, Q+, Q-)
Efficiency	DC / AC, U-I Curve for PV
Wiring	DC, 1-Phase, 2-Phase, 3-Phase Star and Delta

WAVEFORM & TRANSIENTS

Transients



**Resonances
Oscillations**



Switching



DC Offset



Overvoltage



Undervoltage



MIN, MAX, RMS, AVE	U, I, P, Q, S, f, PF, phi, THD, Harmonics, Interharm., Unbalance, etc.
ENVELOPE / WINDOW	U, I
DELTA	dU, dI, df, dP, etc.
DERIVATE (RATE OF CHANGE)	dU/dt, df/dt etc. ... per ms, number of periods or half-period
COMBI-TRIGGER	Combination of triggering including multiple conditions
VOLTAGE SIGNALLING	Threshold
RAPID VOLTAGE CHANGES (RVC's)	dU, dc, dt
EN50160	Trigger on any EN50160 parameter (Max, Quantil)

COMPLYING STANDARDS

POWER QUALITY, HARMONICS, FLICKER:

IEC61000-4-30 Ed. 3 Class A / IEC61000-4-7 / IEC61000-4-15 /
IEC62586-2 Ed. 2 / IEC62586-1

PUBLIC GRID, RAILWAY AND INDUSTRY

EN50160 / EN50163 / IEC61000-2-2 / IEC61000-2-4 (Class 1; 2; 3) /
IEEE519 / IEEE 1159 / IEC61000-2-12 / NRS048

WIND POWER, RENEWABLES AND GRID CODES

IEC61400-21 / IEC61400-12 / FGW-TR3 / VDE N-4105 / VDE N-4100 /
VDE N-4110 / D-A-CH-CZ / BDEW / ROCOF / IEEE C37.118-2005 (PMU)

MOTORS, TRANSFORMERS AND ELECTRICAL EQUIPMENT

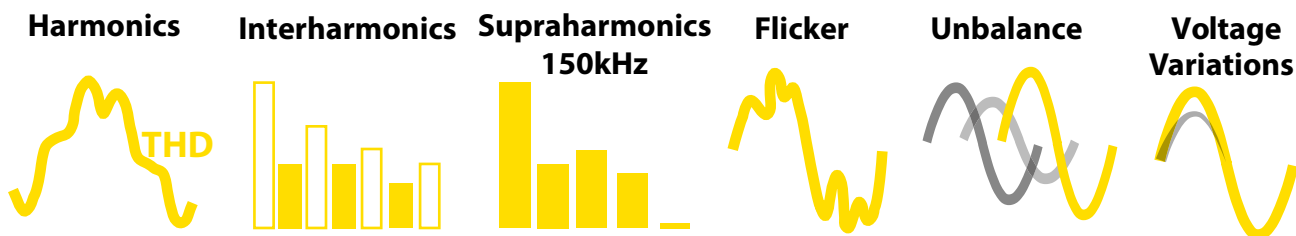
IEC60034 / IEC 60076-1 / IEC61000-3-2 / IEC61000-3-3 / IEC61000-3-11 / IEC61000-3-12



CLASS A++



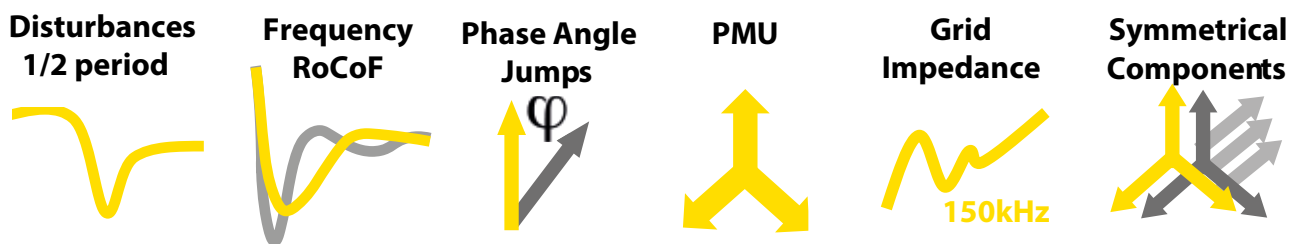
POWER QUALITY



according to IEC 61000-4-30 Ed.3 and IEC 62586

Harmonics (Voltage, Current, Phi, Power)	Class A
Interharmonics	Class A
THD U, THD I	Class A
Higher Frequencies (200Hz band)	2 - 9 kHz (can be calculated from 0 to definable upper limit)
Higher Frequencies (2000Hz band)	8 - 150 kHz / 500 kHz for voltage and current (PQA 8000H)
Symmetrical Components & Unbalance (Pos-, Neg- and Zero Sequence)	Class A
Rapid Voltage Changes	Class A
Flicker (PST, PLT, Pinst)	Class A
Voltage Events (dip, swell, interruption – time, extrema, length)	Class A
Frequency	10 sec, AVE, MIN, MAX
Voltage, Current	RMS, AVE, MIN, MAX, ½ Period-values, 200ms, 10s, 10min
Time Synchronisation	Class A

DISTURBANCES AND SYSTEM DYNAMICS



1/2 PERIOD TRIGGER	U, I, P, Q, S, f, PF, phi, THD, Harmonics, Interharm., Unbalance, etc.	
PHASE ANGLE TRIGGER	phi	
SYMMETRICAL COMPONENTS	Pos., Neg., Zero sequence	
RATE OF CHANGE FREQUENCY (ROCOF)	df/dt	
Phasor Measure Unit (PMU) according to IEEE C37.118	Total Vector Error	0.01% (typ.)
	Angle Error	0.003°(typ)
	Timestamp Accuracy	0.1 µs
	up to 50 fps / via TCP / open PDC format / Offline storage possible	

ADDITIONAL FEATURES INCLUDE

- ✓ compounded trigger settings
- ✓ definable pre-triggers and post-time extensions

INTRODUCTION

MOBILE POWER QUALITY

POWER QUALITY MONITORS

PQ SYSTEM SOFTWARE

PHOTOVOLTAIC TESTING

ACCESSORIES

SERVICES & ABOUT NEO



AC CLAMPS

CLAMP-5AC



Type	Iron-Core		
Range	5 A		
Bandwidth	20 kHz		
Accuracy	0,5 - 6A:	± 0,5 % of reading	(with NEO calibration typ. ≤ 0.2 %)
	0,1 - 0,5A:	± 1 % of reading	(with NEO calibration typ. ≤ 0.3 %)
	5mA - 0,1 A:	± 2 % of reading	(with NEO calibration typ. ≤ 0.8 %)
Phase	1 - 12A:	± 0,5 °	(with NEO calibration typ. ≤ 0.5 °)
	0,5 - 1A:	± 1 °	(with NEO calibration typ. ≤ 0.5 °)
	5mA - 0,5 A:	± 2 °	(with NEO calibration typ. ≤ 1 °)
Sensitivity	100 mV/A		
Dimensions	102 x 34 x 24 mm (Clamp Opening d = 15mm)		

CLAMP-20AC



Type	Iron-Core		
Range	20 A		
Bandwidth	20 kHz		
Accuracy	0,5 - 20A:	± 1 % of reading	(with NEO calibration typ. ≤ 0.5 %)
	5mA - 0,5 A:	± 2 % of reading	(with NEO calibration typ. ≤ 1 %)
Phase	0,5 - 20A:	± 2 °	(with NEO calibration typ. ± 0.5 °)
	5mA - 0,5 A:	± 2 °	(with NEO calibration typ. ± 1 °)
Sensitivity	10 mV/A		
Dimensions	102 x 34 x 24 mm (Clamp Opening d = 15mm)		

CLAMP-200AC



Type	Iron-Core		
Range	200 A		
Bandwidth	10 kHz		
Accuracy	100 - 240 A:	± 1% of reading	(with NEO calibration typ. ≤ 0.8 %)
	10 - 100 A:	± 2,5% of reading	(with NEO calibration typ. ≤ 1 %)
	0,5 - 10 A:	± 3,5% of reading	(with NEO calibration typ. ≤ 2 %)
Phase	100 - 240 A:	≤ 2,5°	(with NEO calibration typ. ≤ 1.5°)
	10 - 100 A:	≤ 5°	(with NEO calibration typ. ≤ 3°)
	0,5 - 10 A:	not specified	
Sensitivity	10 mV/A		
Dimensions	135 x 51 x 30 mm (Clamp Opening d = 22mm)		

CLAMP-1000AC



Type	Iron-Core		
Range	1000 A		
Bandwidth	10 kHz		
Accuracy	100A - 1200 A :	0,3%	(with NEO calibration typ. ≤ 0.2 %)
	10A - 100 A:	0,5%	(with NEO calibration typ. ≤ 0.3 %)
	< 1A:	2 %	(with NEO calibration typ. ≤ 1 %)
Phase	100A - 1200 A:	0,7°	(with NEO calibration typ. ≤ 0.3°)
	10A - 100 A:	1°	(with NEO calibration typ. ≤ 0.5°)
	< 1A:	not specified	
Sensitivity	1 mV/A		
Dimensions	216 x 111 x 45 mm (Clamp Opening d = 53mm)		

CENTER ADAPTER



This adapter can be used for small cable diameters to optimize the cable position and improve accuracy. This adapter is available upon request for all current sensors.

AC COILS & SPLIT-CORE



AC ROGOWSKI COILS

FLEX-MINI-3000



Type	Rogowski coil
Range	30A / 300A / 3000A / 30kA
Bandwidth	PQA7000: up to 20 kHz PQA8000: up to 70 kHz PQA8000H: up to 500 kHz
Accuracy	1% (with NEO calibration typ. ≤ 0.3 %)
Coil Length	170 mm (Ø 45 mm)

FLEX 3000



Type	Rogowski coil
Range	30A / 300A / 3000A / 30kA
Bandwidth	PQA7000: up to 20 kHz PQA8000: up to 70 kHz PQA8000H: up to 500 kHz
Accuracy	1% (with NEO calibration typ. ≤ 0.3 %)
Coil Length	450 mm (Ø 125 mm)

FLEX 6000



Type	Rogowski coil
Range	30A / 300A / 3000A / 30kA
Bandwidth	PQA7000: up to 20 kHz PQA8000: up to 70 kHz PQA8000H: up to 500 kHz
Accuracy	1% (with NEO calibration typ. ≤ 0.3 %)
Coil Length	800 mm (Ø 250 mm)

Flexible Length, Flexible Coil Diameter, Flexible Bandwidth, Flexible Scaling, Flexible cable length on request
Rogowski Coils for measurements up to 150kA are available.

AC SPLIT-CORE SENSORS

SPLIT-10A / 32A / 63A



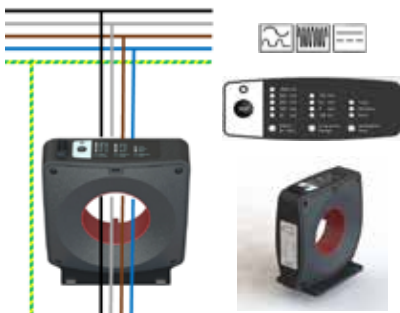
Type	Split-Core
Version	10 Arms / 32 Arms / 63A rms
Bandwidth	3 kHz
Accuracy	Class 1 (IEC 61869-2) (with NEO calibration typ. ≤ 0.5 %)
Sensitivity	333mV at nominal current
Dimensions	32mm x 33.5mm 45.5mm (Clamp Opening Ø 10 mm)

SPLIT-10A / 32A / 63A



Type	Split-Core
Version	10 Arms / 600 Arms
Bandwidth	20 kHz
Accuracy	Class 1 (IEC 61869-2) (with NEO calibration typ. ≤ 0.5 %)
Sensitivity	333mV at nominal current
Dimensions	59.2mm x 89.2mm 32.5mm (Clamp Opening Ø 32,5 mm)

RESIDUAL CURRENT SENSOR AC+DC (RCM)



Type	Fluxgate
Range	DC and AC residual current measurement of Type B/B+ in the range 0-2Arms
Bandwidth	100 kHz
Application	Single Phase, 3-Wire, 4-Wire
Rated Voltage	690V
Rated Current	100A / 300A
Output	4-20mA Relay Output (DO/DI)
Power Supply	24V DC
Dimensions	156.1mm x 151.1mm x 69.4mm (Clamp Opening Ø 70 mm)

INTRODUCTION

MOBILE POWER
QUALITY

POWER QUALITY
MONITORS

PQ SYSTEM
SOFTWARE

PHOTOVOLTAIK
TESTING

ACCESSORIES

SERVICES &
ABOUT NEO

AC/DC HALL CLAMPS

CLAMP-300DC



Type	Hall sensor
Range	300A DC
Bandwidth	DC to 150 kHz
Accuracy	1 % + 2 mA (with NEO calibration typ. ≤ 0.3 %)
Sensitivity	20 mV/A
Overload Capability	500A DC (1min)
Dimensions	205 mm x 60 mm x 15 mm (Clamp opening d = 32 mm)

CLAMP-2000DC



Type	Hall sensor
Range	2000A DC
Bandwidth	DC to 20 kHz
Accuracy	2.5 % +/- 0.5A (with NEO calibration typ. ≤ 1.5 %)
Sensitivity	1 mV/A
Dimensions	205 mm x 60 mm x 15 mm (Clamp opening d = 32 mm)

AC/DC SPLIT CORE

SPLIT-300DC



Type	Hall sensor
Range	300A DC
Bandwidth	DC to 150 kHz
Accuracy	1 % + 2 mA (with NEO calibration typ. ≤ 0.3 %)
Sensitivity	10 mV/A
Dimensions	205 mm x 60 mm x 15 mm (Clamp opening d = 32 mm)

ICS-10A



Type	Hall sensor
Range	10 A peak (Overload Capability 80A for 1sec)
Bandwidth	150 kHz
Accuracy	0.5% (with NEO calibration typ. ≤ 0.1 %)
Sensitivity	208 mV/A
Dimensions	62 mm x 42 mm x 25 mm
Safety Category	CAT II 1000V / CAT III 600V

IPCS-XXA



Type	Zero-Flux transducer
Range	IPCS-10A: 10A rms IPCS-25A: 25A rms IPCS-50A: 50A rms
Bandwidth	500 kHz
Accuracy	0.01%
Sensitivity	IPCS-10A: 40 mV/A IPCS-25A: 20 mV/A IPCS-50A: 10 mV/A
Dimensions	130 mm x 65 mm x 50 mm
Safety Category	CAT II 600V

AC/DC ZERO-FLUX SENSORS



AC/DC ZERO FLUX TRANSDUCERS

IT-65S



Type	Zero-Flux
Range	60A rms (from -40° to +85°C)
Bandwidth	DC to 800 kHz
Accuracy	0.0033% of f.s.
Sensitivity	600:1
Dimensions	77 mm x 93mm x 78 mm (Opening d = 26 mm)

IN-500S



Type	Zero-Flux
Range	500A rms (from -40° to +85°C)
Bandwidth	DC to 520 kHz
Accuracy	0.0015% of f.s.
Sensitivity	750:1
Dimensions	106 mm x 128 mm x 104 mm (Opening d = 36 mm)

IN-1000S



Type	Zero-Flux
Range	1000A rms (from -40° to +85°C)
Bandwidth	DC to 440 kHz
Accuracy	0.0012% of f.s.
Sensitivity	1500:1
Dimensions	106 mm x 128 mm x 104 mm (Opening d = 38 mm)

IN-2000S



Type	Zero-Flux
Range	2000A rms (from -40° to +85°C)
Bandwidth	DC to 140 kHz
Accuracy	0.0012% of f.s.
Sensitivity	2000:1
Dimensions	191 mm x 231 mm x 153 mm (Opening d = 70 mm)

POWER SUPPLY

SINGLE CHANNEL POWER SUPPLY WITH INTEGRATED SHUNT



Power Supply	±15V (for Zero-Flux Transducers, AC/DC Clamps, etc.)
Max. Power Output	1200 mA
Integrated Measuring Resistor	selectable - 1 Ohm, 5 Ohm, 10 Ohm with 0.01% Accuracy
Power Supply	DC Version: 10-30 V DC AC Version: 100-230V AC
Dimensions / Weight	106x120x36mm (l x w x h) / Weight: 350g
Temperature Range	-10°C to +45°C
Connector	Sensor supply: DSUB9 Output Signal: BNC

INTRODUCTION

MOBILE POWER
QUALITY

POWER QUALITY
MONITORS

PQ SYSTEM
SOFTWARE

PHOTOVOLTAIC
TESTING

ACCESSORIES

SERVICES &
ABOUT NEO

HIGH VOLTAGE DIVIDERS, TRANSFORMERS AND ISOLATED TRANSDUCERS



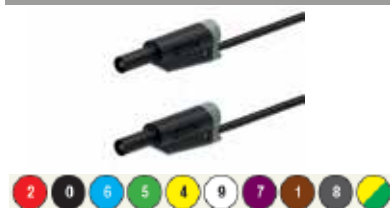
We offer different types of high-voltage adapters for measurements above 1600V DC. The portfolio covers voltage dividers, voltage transformers and isolated voltage dividers. Please contact your local sales partner or support@neo-messtechnik.com.

ALIGATOR CLIP



Current	max. 36A
Voltage	CAT III 1000V / CAT IV 600V
Colours	red, black, blue, green, yellow, white, purple, brown, grey, yellow-green
Plugs	Ø 4 mm
Dimensions	92 x 38 mm

SAFETY TEST LEAD

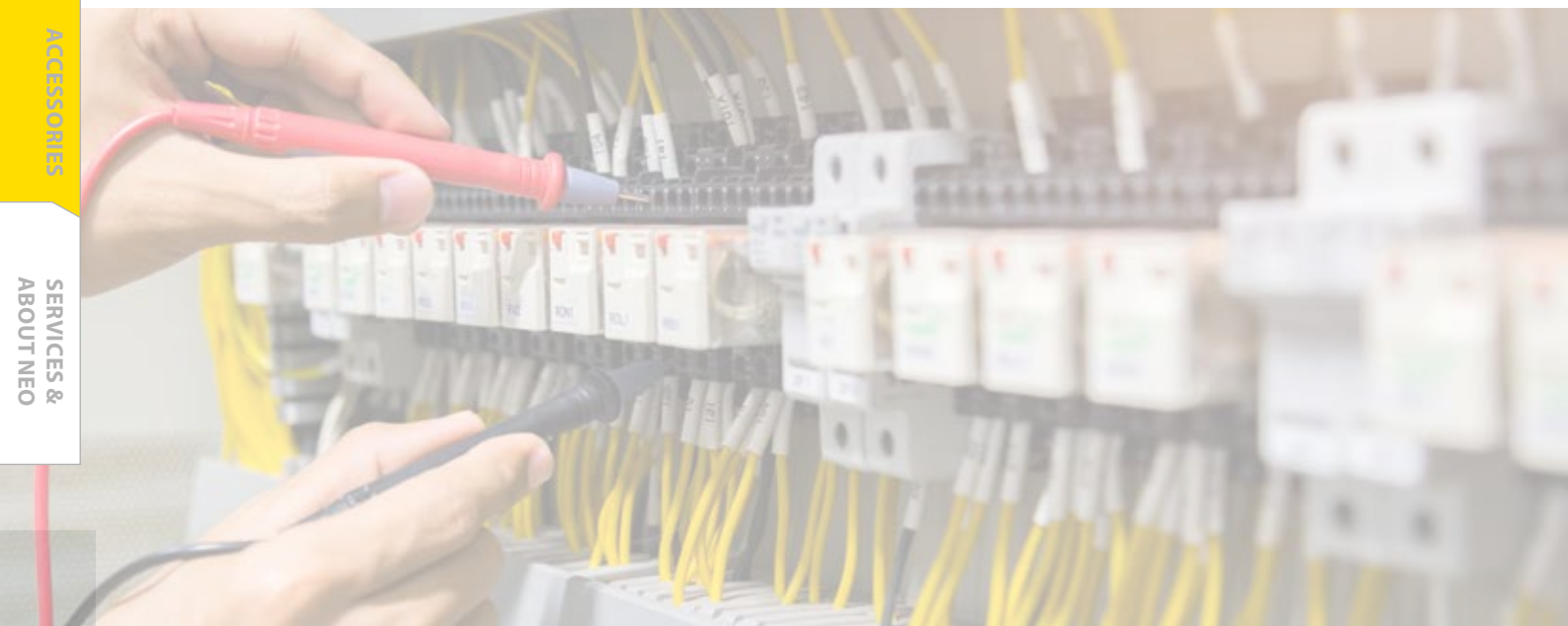


Current	max. 25A
Voltage	CAT III 1000 V
Cross Section	1,5 mm ²
Colours	red, black, blue, green, yellow, white, purple, brown, grey, yellow-green
Plugs	Ø 4 mm
Length	0,25 m / 1 m / 2 m ... others on request

SAFETY TEST LEAD FUSED



Current	max. 25 A (Fuse: 0.5A)
Voltage	CAT III 1000 V
Cross Section	1,5 mm ²
Colours	red, black, blue, green, yellow, white
Plugs	Ø 4 mm
Length	0,25 m / 1 m / 2 m ... others on request



ACCESSORIES



We offer a wide range of testing and measurement accessories. Please check our webpage or contact us for more information regarding the following accessories. In addition we also provide custom-made solutions according to your needs.

Ø 4MM & Ø 2MM ACCESSORIES



HIGH VOLTAGE



ADAPTERS



BNC / HF / Micro Test



MEASURING KITS



TESTING POLES / PROBES



ADDITIONAL HARDWARE



CABLES



CABLE REELS



GROUND RODS / LEAD HOLDERS



STORAGE



DIDACTIC ACCESSORIES



The catalogue with all products and detailed information can be downloaded at: www.neo-messtechnik.com

We are also happy to send you a hard copy of the catalog. Just send us an email to support@neo-messtechnik.com

INTRODUCTION

MOBILE POWER
QUALITY

POWER QUALITY
MONITORS

PQ SYSTEM
SOFTWARE

PHOTOVOLTALIC
TESTING

ACCESSORIES

SERVICES &
ABOUT NEO

