

## PORTABLE NETWORK ANALYZER PNA 760

### USE

The PNA 760 network analyzer is used for analysis of electric voltage quality in compliance with the SIST EN 50160 standard. Records are stored in the internal memory. Moreover, more than 170,000 deviations of the measured quantities from the standard values are stored, which enables finding of eventual reasons for the problems on network. Optional limits and required quality in a monitored period can be defined for each monitored characteristic.

### Main features are:

- Evaluation of the quality of electric voltage in compliance with SIST EN 50160
- Measurements of instantaneous values of more than 140 quantities (U, I, P, Q, S, PF, PA, f,  $\varphi$ , THD, MD, energy, energy price by tariffs, etc.).
- Accuracy class 1
- Harmonic analysis of phase, phase-to-phase voltages and currents up to the 63<sup>th</sup> harmonic (online only)
- Recording up to 32 measured quantities and alarms in the internal memory (8 MB flash)
- Measurements of 40 minimal and maximal values in different time periods
- 32 adjustable alarms
- Wide frequency range from 16 2/3 Hz to 400 Hz
- RS 232 communication up to 115,200 bit/s, Ethernet & USB communication
- MODBUS and DNP3 communication protocol
- MMC memory card for data transmission, setting and upgrading
- One tariff input
- AC power supply
- Graphical LCD 128 x 64 dots with illumination
- Automatic range of nominal current and nominal voltage up to 500 V
- Adjustable tariff clock, display of electric energy consumption in optional currency
- Multilingual support
- User-friendly PC MiQen software

## ACCESSORIES FOR PNA 760

- 3 pcs. A1179 Flex current clamps 4000/400/40A
- 1 pce. USB cable
- 1 pce. Ethernet cable
- 1 pce. Supply cable (EURO type)
- 1 pce. RS232 cable
- 3 pcs. Measuring voltage connection wire; black
- 1 pce. Measuring voltage connection wire; blue
- 1 pce. Measuring voltage connection wire; green
- 5 pcs. Alligator clip terminal



## ELECTRICITY DISTRIBUTION

The system detects faults in medium voltage network and transformer stations. The system can be used for detecting faults in medium voltage network and transformer stations such as:

- Torn down overhead lines with semi-insulated conductors
- Other torn down overhead lines (bare conductors)
- Detecting other faults in medium voltage network
- Informing about faults in transformer stations (contacts, high voltage fuse, low voltage fuse, etc.).
- Alarms via SMS
- Measuring and recording measurements of transformer station electric energy quantities
- Real time measurements on SMS