

Features

- AF voltages up to 20 V
- Audio frequency range 50 Hz ... 2 kHz
- Choice of 3 bandwidths
- Continuous measurements
- Pulse measurements
- Operating voltage 100 ... 264 V
- USB interface

The selective pulse level meter SPM3 has especially been designed for the fast and precise measurement of audio frequency voltages on mains voltage level. Thanks to its convenient features, it is particularly appropriate for field service by electric utilities.

The measuring range of AF voltages is from 0 V to 20 V. A new center frequency can easily be selected in 1/10 Hz increments via the numerical keys, up to a maximum of 2 kHz. Three fixed, specified filter bandwidths of 1.7%, 3.7% and 6.0% can be selected by the single push of a button.

SPM3 can be used in two different operating modes:

Continuous measurement

In the operating mode "continuous measurement" of VF voltages, the AF level, as well as the wide-band voltage, are measured continually and displayed on the LC display, which can be illuminated. This operating mode is particularly appropriate for controlling harmonic waves in the mains.

Pulse measurement

During pulse measurement, AF pulses – as they occur in ripple control transmissions – can be registered. A corresponding selection of the minimum time enables the measurement of only the start pulse amplitude of a current ripple control transmission. All measured values are memorized and can be read out and analyzed by using the SPM3 evaluation software (separately available).



Options

- Software SMP3rec:
For graphical analysis of the carried out measurements and PC or laptop based online measurements.
- Extended voltage range:
With this adaptor, the SPM3 can be used for measuring AF signals on voltage levels of up to 1000 VAC.
- Current Probe US 43:
Used for measuring AF currents.
Measurement range 50 Hz: 2 ... 400 A
Measurement range selective: 2 ... 200 A
Max. cable diameter: 43 mm