

# PWS 2.3 genX

New Advanced Design

## Three-phase Portable Working Standard for Testing Electricity Meters and Instrument Transformers



The PWS 2.3 genX Portable Working Standard is a three-phase portable electronic meter test unit of accuracy class 0.1%, used for testing single and three-phase electricity meters on site. The PWS 2.3 genX allows checking of all meter installation parameters and associated circuits.

The unit can be used either with a direct connection in the range of 1 mA ... 12 A, or by using a set of 3 active 100 A error compensated clamp-on CT's (included in the standard accessories set) in the range 10 mA ... 100 A. It is therefore possible to easily and accurately measure both CT and direct connected meters.

The unit can be powered either from the measuring circuit or from an auxiliary single-phase supply.

### Advantages

- Large 7" (800 x 600 pixels) TFT touch screen colour display with graphical user interface
- Data transfer and communication via USB (Type B), WLAN or ETHERNET
- Data storage on removable SD memory card
- Independent sets of clamp-on CTs allow service, calibration or later purchase of clamp-on CTs without factory return of the device.

### Measurement Inputs

- 3 voltage inputs U1, U2, U3
- 3 direct current inputs I1, I2, I3
- 2 clamp-on CT current inputs for I1, I2, I3

### Functions

- Meter testing of pulse outputs (LED/disc mark/S0) and registers of active, reactive, apparent 1- or 3-phase, 3- or 4-wire energy meters with 2 pulse inputs (1 configurable as pulse output).
- Measurement of electrical parameters (UI  $\phi$ , PQS, f, PF) including vector diagram, harmonic analysis and wave form display.
- Instrument transformer testing (CT/PT burden, CT/PT ratio)

### Options

- Software CAlegation
- Set of 3 clamp-on CT 10A
- Set of 3 clamp-on CT 100A (active error compensated)
- Set of 3 clamp-on CT 1000A
- Set of 3 flexible current probes FLEX 3000 (30/300/3000A)
- 3-phase adapter set for AmpLiteWire
- Primary current sensor AmpLiteWire 2000 A
- 3-phase adapter set for VoltLiteWire
- Primary voltage sensor VoltLiteWire 40 kV

