

## PWS 2.3 genX

**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 120 A error compensated UCT clamp-on CT's (included in the standard accessories set) in the range 10 mA ... 120 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 480 pixels) TFT touch screen colour display with graphical user interface
- Data transfer and communication via USB (Type B), ETHERNET or WLAN
- Built in web server for remote display of graphical user interface and remote control of the unit
- Data storage on removable SD memory card
- Independent sets of UCT clamp-on CTs allow service, calibration or later purchase of UCT 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 UCT 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 CAlegration
- Set of 3 UCT 10.3 clamp-on CT 10A
- Set of 3 UCT120.3 clamp-on CT 120A (active error compensated)
- Set of 3 UCT 1000.3 clamp-on CT 1000A
- Set of 3 UCT LEM.3 flexible current probes FLEX 3000 (30/300/3000A)
- UCT AMP-LiteWire 3-phase adapter set for AmpLiteWire
- Primary current sensor AmpLiteWire 2000 A
- UCT VOLT-LiteWire 3-phase adapter set for VoltLiteWire
- Primary voltage sensor VoltLiteWire 40 kV

