

# PTS 2.3 C

**Three-phase, fully automatic test system with a class 0.1 reference standard and integrated three-phase current source**



The PTS 2.3 C portable test system consists of an integrated three-phase current source unit and a three-phase electronic reference standard of accuracy class 0.1. Characteristic features of the PTS 2.3 C are its wide measuring range, high accuracy and high tolerance to unwanted external influences.

The PTS 2.3 C allows the monitoring of meter installations as well as analysis of the local mains conditions.

## Advantages

- Easy verification of meters under precise load conditions, using the built-in, compact, current source
- Automatic operation with predefined load points without the need for an external PC
- Exchangeable Compact Flash (CF) memory card for measurement results and customer data
- Display of vector diagram and phase sequence for analysis of the supply conditions
- User-friendly system for data input and operation of combined source and reference meter
- The system may be used either as a stand-alone reference standard meter, or together with the integrated power source

## Functions

- Independent generation of single or three-phase current loading conditions for verification of meters using the incoming supply voltage
- Active, reactive and apparent energy measurement for three phase, 3 or 4-wire, systems with integrated error calculator and pulse output
- Vector diagram, harmonics spectrum, wave form and rotary field display for analysis of the mains conditions
- Burden measurement of Current Transformer (CT) and Potential Transformer (PT)
- Ratio testing of Current Transformers (CT)

## Application

- On site meter measurements
- Verification of energy registration
- Verification of the circuit load conditions

## Options

- Software CAlegation
- Error compensated clip-on CT's up to 100 A
- Clip-on CT's up to 1000 A
- Flexible current transformers FLEX 3000 up to 3000 A



