

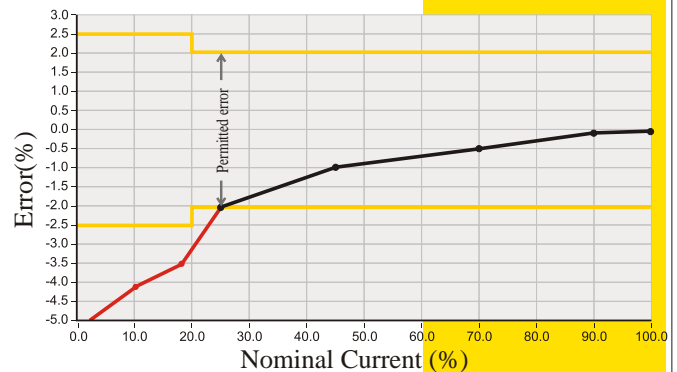
Meter Test Bench

Application

- Test and calibration of all types of single phase and three phase meters.

Test Bench Specifications

- Testing all types of single phase or three phase Active, Reactive, Demand, and non-Demand Meters
- Equipped with an electronic sensor in order to count the number of disk rotations in Mechanical Meters as well as input pulses in Digital Meters
- Adjustable position of the scanning head with three degrees of freedom
- Testing all Mechanical, Electromechanical, and Digital types of meters
- Testing Demand Meters
- Testing meters with any of the following configurations
 - 4 – Wire Active with maximum current channel capacity of 100A or transformer connection
 - 4 – Wire Reactive
 - 3 – Wire Active
 - 3 – Wire Reactive
 - 2 – Wire Active with maximum current channel capacity of 100A



Reference Meter Specifications

- Two adjustable input current ranges: (10mA to 15A) and (5A to 160A)
- Input voltage range: 10V to 260V
- Displaying three phase system quantities such as RMS Voltage, RMS Current, Active Power, Reactive Power, Power Factor, Harmonics, and THD%
- Active energy measurement precision is 0.2%
- Reactive energy measurement precision is 0.5%
- Input pulse range from 10 to 500000 pulse/kWh

Power Source Specifications

- 3 – phase system
- Nominal frequency : 50Hz
- Voltage range (continuous): 0V to 250V for each phase
- Current range (continuous): up to 100A for each phase
- Power factor range (continuous): 0.8 to 1 (capacitance), and 0.2 to 1 (inductance)
- Maximum power consumption: 500W
- Equipped with input isolation and protection circuits

Software Specifications

- Managing calibration and test reports
- Providing error percentage graphs
- Processing test results in the customer service database



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