

WM3000I

Current Transformer Comparator



- ▶ **ANSI/IEEE C57.13 Compliance**
- ▶ **Supports CTs, ECTs, and Digital CTs**
- ▶ **Compatible with Existing CT/VT Test Systems**



The current measuring comparator WM3000I is a high-precision device for comparing secondary outputs from a current transformer under test (or digital output of Electronic CTs or Digital CTs) with a reference signal supplied by a standard transformer primary. The resulting error value will be displayed as ratio error and phase error on the screen. The operation of the comparator will be performed via an integrated 10.1" capacitive touch screen or controlled by PC software. The WM3000I is compatible with existing systems, like Knopp, and exports a data output for active database systems.

A CLASS OF ITS OWN

The WM3000I is part of the ZERA/Powermetrix test system (ITTS eco shown)

Direct Inputs:

- **Current Input:**
 - 2 Inputs (N, X): 1mA to 15A max
 - Measurement Accuracy (AC):
 - 15A to 50mA: 0.01%
 - 50mA to 5mA: 0.02%
 - Measurement Accuracy (DC):
 - 15A to 50mA: 0.02%
 - 50mA to 5mA: 0.03%
- **Voltage Input (for ECTs):**
 - 1 Input: 0.1mV to 18V max
 - Ranges: 15V, 10V, 5V, 2.5V, 1V, 500mV, 250mV, 100mV, 50mV, 25mV
 - Measurement Accuracy (AC):
 - 200mV to 15V: 0.03%
 - 20mV to 200mV to 5mA: 0.05%
 - **Measurement Accuracy (DC):**
 - 200mV to 15V: 0.04%
 - 20mV to 200mV to 5mA: 0.06%

Ratio Error Measurement

- **100%-90% Load**
 - 15A to 50mA: 0.005%
 - 50mA to 5mA: 0.015%

Phase Error Measurement

- **100%-90% Load**
 - 15A to 50mA: 0.2 min
 - 50mA to 5mA: 0.5 min

System Connectivity:

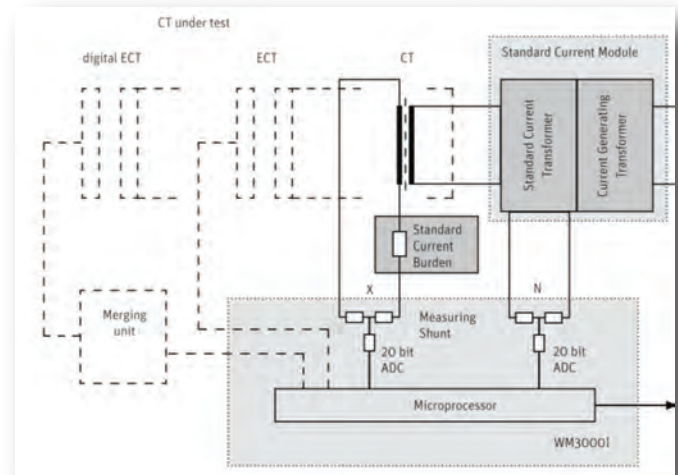
- (1) RS232-C interface
- (2) Ethernet ports: RJ45 Standard IEEE 802.3
- (1) DVI input
- (1) USB slave port
- (1) each PPS IN, PPS OUT
- (1) each PPS IN, PPS OUT for Optical CTs
- (4) USB 2.0 ports for keyboard, mouse, memory devices, etc.

Safety:

- Degree of protection IP-30
- CE Certification

Other

- Power Supply: 85-265V, 47 to 63Hz
- Display: 9" full color capacitive touchscreen
- Humidity: 0 % to 95 %, non-condensing
- Operational Range: +5 to 40°C
- Storage Range: -15 to 65°C
- Dimensions (W x D x H): 19" x 18" x 7"
- Weight: 24 lbs
- 2-Year Warranty



CT Connection Diagram with WM3000I

RELATED EQUIPMENT

- WM3000U – VT Comparator
- ESCB200 – Current Burden
- ESVB200 – Voltage Burden
- ITTS (CT-VT-80) Complete CT and VT Test System
- ITTS eco (CT-16) Complete Portable CT and VT Test System