

585

UTEC Burden Tester

Overview



The UTEC CT Burden Tester is a hand held unit rated for use up to 20A. The design features a digital LED meter for displaying the CT secondary current. The burden is applied for a specific length of time controlled by circuitry inside the unit to help prevent the burnout of the burden elements.

There are seven toggle switches, one for each of the standard A.N.S.I. burden values of 0.1, 0.2, 0.5, 1.0, 2.0, 4.0, 8.0 ohms. To select a burden value, position the toggle switch handle to on. In addition, up to 115 burden values other than the standard A.N.S.I. burdens may also be selected by using a combination of two or more of the switches available, providing a maximum burden of 15.8 ohms.

The selected burden is added by pushing the “Push To Add Burden” button. The burden will be added for a controlled period of time, no matter how long the push button is held down. This will reduce the possibility of burnout of the internal burden elements. In addition, the Model 585 is thermally protected to ensure the burden elements to not overheat.

The LED display has large numbers and displays the current in the CT secondary loop – before and after burden applied and secondly when the “Push To Add Burden” button is depressed, the CT secondary loop current with the selected burden added to the loop. The user will then make a determination if the two current values are acceptable; or if a unacceptable drop in output current of the CT has resulted from the added burden.

Automatic System Continuity Check is a safety feature which allows the testing of the burden tester to assure that the CT secondary loop path inside the burden tester is continuous. Each time burden is applied, the unit will self-check the system continuity. The display will annunciate a problem

The unit is rated for 20 amperes and provides A.N.S.I. specified burdens of 0.1, 0.2, 0.5, 1.0, 2.0, 4.0 and 8.0. In addition, non standard burdens such as 3.0, 6.0 and 7.0, 12.0 & 15.8 ohms may be selected.

Additional details provided on the back page of this bulletin.

Available Burden from 0.1 to 15.8 ohms

Easy to Read Current Values

Displays Before & After Current Readings when Burden is Applied, and Displays Percent Change

Controlled Dwell Time to Prevent Element Burnout

Automatic System Continuity Check enhances safety by ensuring the instruments current path is continuous

Durable/Compact design

Powered by AA Alkaline Batteries

Light Weight - 5 lbs.

Time Controlled Thermally Protected to Prevent Element Burnout

RADIANT
WECO
Power and Energy Measurement Specialists

Technical Specifications

Burdens

0.1 to 15.8 Ohms. Switches provided for ANSI values of 0.1, 0.2, 0.5, 1.0, 2.0, 4.0 & 8.0 Ohms are available. Non-standard burden values can be derived from the different switches.

Current Rating

20 Amps Maximum

Voltage Class

480 Volts rms Maximum.

Input Power Requirements

6 AA Batteries - Provided

Dimension

7.5" H x 4.3" W x 3.9" D

Weight

Approximately 5 lbs.

Enclosure

Durable Polystyrol (PS) material



585 Carrying Case with Lead