



**EMBUILT
TECHNOLOGIES**

ITTC-1

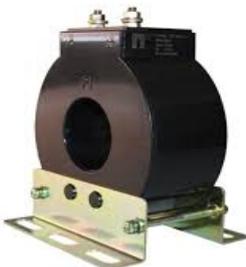
Instrument Transformer Turn Calculator



Features

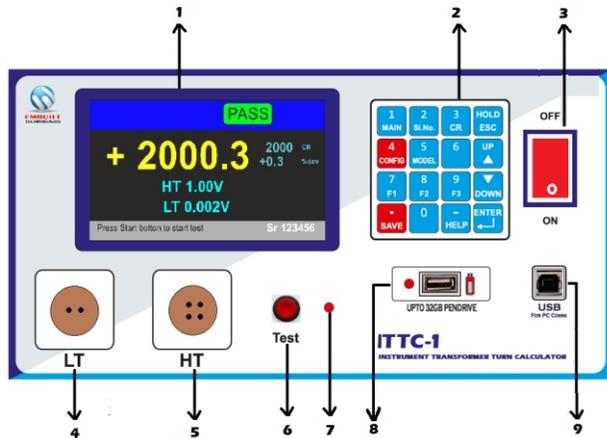
- **Multi Parameter Testing**
Turns Ratio / CT Secondary Turns (from 1 to 2000)
Excitation Current
HT & LT Voltages
Polarity
Percentage Deviation
- **Fully Automated Measurement System** for instrument transformer, CT and PT
- **HV - Side Excitation** : 1V AC at 100Hz (safe for operators and equipment)
- **Data Storage** : Stores up to 32K test records internally & up to 32 GB pen-drive for external storage
- **Computer Interfacing** - USB connectivity for software-based data access and transfer
- **Auto Serial** : After each test, save the result and auto increment the Sr. No. when the load is removed
- **Industrial-Grade Terminals** with standard load-cell connectors on both **HT & LT** sides
- **Compact, User-Friendly Design**

Application



Smart Solution Makes You **SMARTER**

Front Panel Description



- 1- 4.3 inch (480x270 pixel) TFT Display
- 2- 4X4 Keypad
- 3- Aux. ON./OFF Switch
- 4- Sensing Terminal for LT Voltage
- 5- Sensing and Excitation Terminal for HT Voltage
- 6- ON/OFF Switch for applying test voltage
- 7- LED indication for excitation
- 8- Pendrive port for data logging
- 9- USB port for Computer interfacing

Technical Specifications

Turns-Ratio Range	1.000 to 2000
Accuracy Class	Class 0.1
Excitation Voltage	2.2V AC @ 100Hz
Auxiliary Supply	230V AC \pm 20%
Data Storage	Store 32K Test data in Internal Memory Upto 32GB Pendriver Support for external
Comm. Interface	USB Port
Test Cable	One set, 5 meter length
Terminals	Industrial standard load-cell connectors (HT & LT)
Dimension (mm)	Front -135 (H) 280(W) 280(D)

Back Panel Description



1. Test Supply Fuse :
A 1A Fuse is incorporated within a fuse holder for protection.
2. Aux. Supply - 230 V + 10%

Principle of Operation

Applying test Voltage to the Secondary Winding of a CT and accurately measures the resulting voltage from the Primary winding.

Developed & Manufactured By :



EMBUILT TECHNOLOGIES

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EMBUILT
TECHNOLOGIES

Accessories



Power Cable



USB Cable



Pendrive



Set of 5 m Long
3-Phase Cable
For HT & LT Use



Calibration Report

Other Related Products

- 1- Automatic Turns Ratio Instrument (ATRI-3)
- 2- Automatic Turns Ratio Instrument (ATRI-201)
- 3- Single Phase Turns Ratio Instrument (TRI-1)
- 4- Transformer Winding Resistance Meter (TRM-1A)
- 5- Double Voltage Double Frequency (DVDF-1)