



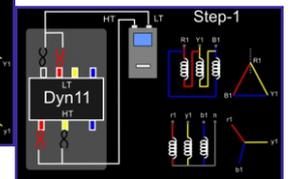
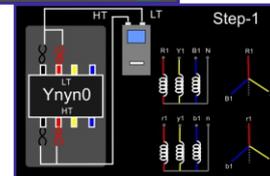
**EMBUILT
TECHNOLOGIES**

Compact-1

Compact Turns Ratio Instrument



**Cable set of 5 Meter
for LT & HT use**



Features

- **Portable, Handy Design** - Built for field and on-site testing
- **Long Battery Backup** - Upto 4 hours on full charge (2600 mAh)
- **Multi Parameter Testing**
 - Turns Ratio (from 1 to 200)
 - HT & LT Voltages
 - Excitation Current
 - Polarity
 - Percentage Deviation
- **LV - Side Excitation** for maximum operator and instrument safety
- **4 - Wire Connection Method** - used for accurate and reliable measurement
- **Stable Internal Reference Voltage** - immune to power line fluctuations
- **Standard Vector Group Support** - **YNyn0** and **Dyn11**
- **Standard-Grade HT/LT Terminals** with load-cell connectors
- **TFT Color Touch Display** (Size : 3.5" diagonal and 480 x 320 resolution)

Application



Smart Solution Makes You **SMARTER**

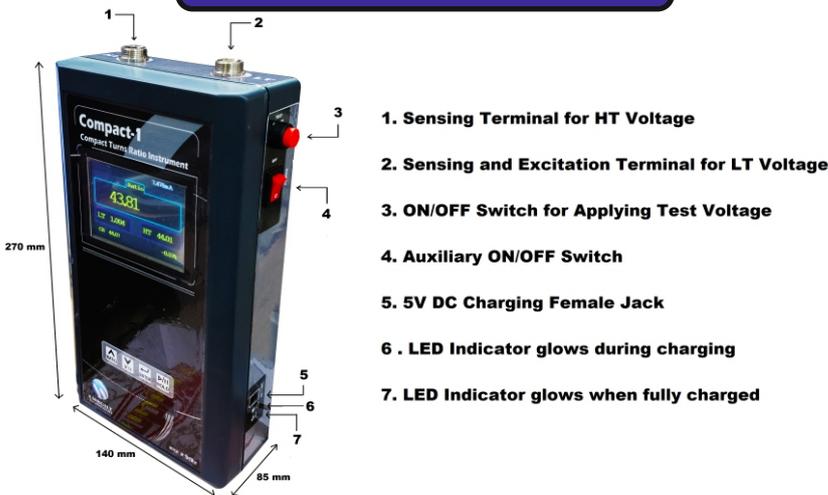
Technical Specifications

Turns-Ratio Range	1.000 to 200.0
Accuracy Class	Class 0.2
LV Excitation Voltage	1.0V AC \pm 10%
Charging Input	5V DC, 1A adaptor (Charging time < 4Hrs)
Battery Backup	Up to 4 hours on full charge (2600 mAh)
Phase Testing	1 - Phase 3- Phase (Used Method : phase-to-neutral)
Transformer Capacity	Up to ~2.5 MVA
Safety Features	LV - side excitation, fuse protection
Terminals	Standard Grade load-cell connectors (HT & LT)
Display Type	TFT Color Display (480 x 320 resolution)
Weight	Approx. 1 kg. + 1 Kg for Cable

Button Specification

	Show Ratio Page
	Show LT & HT Voltage
	Press Back to show main page
	Press HOLD to hold Value
	Test Voltage ON/OFF Switch
	Auxiliary ON/OFF Switch

Isometric View



Principle of Operation

Compact-1 applies a 1.0V AC \pm 10% test signal (which is internally generated, independent of external power fluctuations) to the Low - Voltage (LV) winding of the transformer. It then precisely measures the resulting voltage on the High-Voltage (HV) winding.

Other Related Products

- 1- Vector Group Transformer Turns Ratio Instrument (VTTRI-318S)
- 2- Transformer Winding Resistance Meter (TRM-1A)

Accessories



Charging Adapter



Manual



Calibration Report



Cable set of 5 Meter for LT & HT use

Developed & Manufactured By :



EMBUILT TECHNOLOGIES

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