

T-Rex

For 3 phase
extension to
Turns Ratio meter



Short Overview

The Raytech three phase voltage system option T-Rex is an optional system accessory for 3-Phase transformer ratio meter test sets designed by Raytech (i.e. TR-MARK III). T-Rex was designed to give Engineers and Test Technicians the ability to test the phase relationships and actual voltage ratios of transformer windings while applying three phase voltage.

The system (in connection with a 3 phase Raytech Turns Ratio Meter) precisely measures the ratio and angular relationship of transformer phases with voltage applied to all three phases simultaneously. This is a "real condition" measurement, which allows greater understanding of how the transformer will operate connected to a 3 phase system.

The T-Rex is especially useful for transformers with:

- Phase relationships other than multiples of 30°
- Zig Zag windings
- Uncentered neutral points
- Suspected broken, damaged, or missing core laminations

The T-Rex is contained within a separate yellow case and comes complete to connect to the Raytech TR-Spy, TR-MARK II or TR-MARK III three phase transformer ratio meter.

Temperature		Turns Ratio range	0.08 ... 4000
Operating	-10°C to 55°C	Accuracy	± 0.08% Rdg
Storage	-20°C to 70°C	Test voltage 3ph	24VAC 50/60Hz
Abs. Input Voltage	90 to 264 VAC, 47-63 Hz	Current range	0A...200mA

Features

- Outputs a pure three phase sine wave
- Fully remote controlled by TR-MARK II or TR-MARK III
- Single hook up to the transformer
- Automatic selection of test voltage frequency
- To measure phase relationships other than multiples of 30°
- To measure phase shifting transformer
- To measure power rectifier transformer
- Unique system on market
- Extremely rugged (can withstand a drop test of 1 meter)
- 2 year standard warranty

Accessories

- Power jumper cable
- H and X leads 2 x 1 meter
- Interface cable connection to TR-MARK III
- Interface cable connection to TR-MARK II
- Instruction manual

Specifications

Model	Front Panel	Model
T-Rex	Sealed, Anodized	T-Rex R, 19" rack mount version

Size (field case)

L: 470 mm (18.5")
W: 371 mm (14.6")
H: 190 mm (7.5")

Weight

7.8 kg (17.2 lbs.)

Option



Raytech AG

Oberebenstrasse 11

CH-5620 Bremgarten

www.raytech.ch

Phone +41 56 648 60 10

Fax +41 56 648 60 11

welcome@raytech.ch