

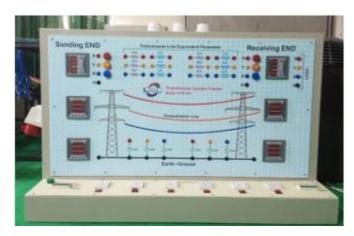
## **VERITAS** Engineering

Catalog Of

**Transmission System Trainer** 



Brand: VERITAS Model: VTST-001



Picture : Transmission System Trainer

### **Technical Specification**

#### Input:

1. AC (3φ 4 Wire), 380V, 50 HzOutput:<br/>AC (3φ 4 Wire), 380V, 50 HzOutput Terminal Capacity:Resistive Load 600W, 380V Load<br/>Inductive Load 800VA, 380V Load

AC Output Connection Facility (Power Socket): 6 No

**Protection System:** 

Incoming AC ( $3\phi$  4 Wire), 380V with Circuit Breaker (4P) – 1 Nos Outgoing AC ( $3\phi$  4 Wire), 380V Load Connection with Circuit Breaker (4P) – 1 Nos

#### **Measuring Instruments:**

Digital Multifunctional 3 Phase Wattmeter including (KW, KVA, KVAR,  $V_{L-N}$ ,  $V_{L-L}$ ,  $I_P$ ,  $I_L$ ,  $Cos\theta$ ) – 2 Pcs, Digital AC Voltmeter – 2 Pcs, Digital AC Ammeter – 2 Pcs,

#### **Transmission Line Parameter:**

Transmission Line Equivalent Resistor – 6 Pcs, Transmission Line Equivalent Inductor – 6 Pcs, Transmission Line Equivalent Capacitor – 6 Pcs,

#### **Connecting Cord/Cable :**

Banana Safety Cable:- 1 Set Size: 4 Feet x 1.5 Feet x 2.5 Feet



# **VERITAS** Engineering

#### **List of Practical**

- 1. Measurement the Voltage Regulation of Short Transmission Line
- 2. Measurement the Efficiency of Short Transmission Line
- 3. Measurement the Voltage Regulation of Medium Transmission Line (End Condenser Method)
- 4. Measurement the Efficiency of Medium Transmission Line (End Condenser Method)
- 5. Measurement the Voltage Regulation of Medium Transmission Line (Nominal " $\pi$ " Method)
- 6. Measurement the Efficiency of Medium Transmission Line (Nominal " $\pi$ " Method)
- 7. Measurement the Voltage Regulation of Medium Transmission Line (Nominal "T" Method)
- 8. Measurement the Efficiency of Medium Transmission Line (Nominal "T" Method)
- 9. Power Factor Improvement of an Electrical Load (Inductive)
- 10. Observe Ferranti Effect of Transmission Line