



# **VERITAS** Engineering

Catalog  
Of

**DC Machine Lab Trainer**

**Brand: VERITAS**

**Model: VDMLT-001**



**Picture: DC Machine Lab Trainer**

## Technical Specifications

### Single Phase Induction Motor

- -Full Transparent 6mm Thickness -Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated input Voltage: 220 V-AC (5 percent)
- -Rated Input Current: 0.10A(5 percent)
- -Rated Speed: 1400 rpm(5 percent)
- -Rated Power: 22W (5 percent)
- -Capacitor: 2uF
- -Dimension(LxD): (250mmx170mm)
- -Motor Outside Shaft Length: 35mm



### Universal Motor

- -Full Transparent 6mm Thickness
- -Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated Input Voltage: 120 V-AC/DC (5 percent)
- -Rated Input Current: 1.0 A
- -AC/DC (5 percent)
- -Rated Speed: 8400 rpm(AC) (5 percent)
- -Rated Speed: 10000 rpm (DC) (5 percent)
- -Rated Power: 120W(5 percent)
- -Dimension(L x D):(150mmx150mm)
- -Motor Outside Shaft Length: 40mm



### Three Phase Induction Motor (Y-Connection)

- -Full Transparent (Minimum)6mm Thickness
- -Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated Input Voltage: 400 V
- -AC (5 percent) Three Phase 3-wire
- -Rated Input Current:0.085A (5 percent)
- -Rated Speed: 1450 rpm( 5 percent)
- -Rated Power: 65W (5 percent)
- -Dimension(L x D):(250mmx170mm)
- -Motor Outside Shaft Length:40mm



### 3 Phase Rotor Winding Motor (Y-Connection)

- -Full Transparent 6mm Thickness
- -Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated Input Voltage: 400 V-AC (5 percent)
- -Rotor Excitation Voltage: -50-100V (3-Phase Line to Line)
- -Rated Speed: 1500 rpm( 5 percent)
- -Dimension(L x D):(250mmx170mm)
- -Motor Outside Shaft
- -Length: 40mm



### DC Permanent magnet Motor/Generator

- -Full Transparent 6mm
- -Thickness Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated Voltage: 220 V DC(5 percent)
- -Rated Current: 0.42A(5 percent)
- -Rated Speed: 3300 rpm( 5 percent)
- -Rated Power: 92.4 W(5 percent)
- -Dimension (Length x Diameter): (150mm x150mm)
- -Motor Outside Shaft Length: 40mm



## Three Phase AC/DC Power Supply

- Rated Input Voltage: 400 V-AC (5 percent)
- Three Phase 4-wire
- Rated Output Voltage: 400V AC (5 percent) -Three Phased-wire
- Rated Output Voltage:0-400 V AC (5 percent), -Three Phase 4-wire
- Rated Output Current: 5 AC(5 percent)
- Rated Output
- DC Fixed Voltage: 0V,60V,120V D(5 percent, 5Amp)
- DC Variable Voltage: 0-220 V DC(5 percent), 5Amp
- Short Circuit Protection Facility
- 4mm safety jack Connection facility
- Air cooling system facility



## DC Compound Wound Motor

- Full Transparent 6mm Thickness
- Fiber/Acrylic Body
- 4mm safety jack Connection facility
- Dimension (L x D): (150mm x150mm)
- Motor Outside Shaft Length: 45mm
- Short Shunt:
- Rated Voltage: 220V DCC 5 percent)
- Rated Current: 0.125A(5 percent)
- Armature Current 0.055(5 percent)
- Shunt Current: 0.07 (5 percent)
- Rated Speed: 1100 rpm( 5 percent)
- Rated Power: 15W (5 percent) Long Shunt:
- Rated Input Voltage: 220VDC (5 percent)
- Rated Input Current: 0.25A(5 percent)
- Rated Speed: 2000 rpm( 5 percent)
- Rated Power: 30W (5 percent)



## DC Shunt-Wound Motor

- Full Transparent 6mm Thickness
- Fiber/Acrylic Body
- 4mm safety jack Connection facility
- Rated input Voltage: 220 VDC (5 percent)
- Rated input Current:0.7Amp (5 percent)
- Shunt field Current:0.10Amp (5 percent)
- Armature Current: 0.60Amp (5 percent)
- Rated Speed: 7000rpm(5 percent)
- Rated Power: 154W(5 percent)
- Dimension(Length xDiameter):(150mmx150mm)
- Motor Outside Shaft Length: 40mm



## DC Series Wound Motor

- -Full Transparent 6mm Thickness
- -Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated Voltage: 100 V DC(+ 5 percent)
- -Rated Current: 0.41A(5 percent)
- -Rated Speed: 6600 rpm( 5 percent)
- -Rated Power: 41W (5 percent)
- -Dimension (Length x Diameter): (150mm x150mm) (Minimum)
- -Motor Outside Shaft Length: 40mm



## Synchronous Motor (Y Connection)

- -Full Transparent
- -6mm Thickness Fiber/Acrylic Body
- -4mm safety jack Connection facility
- -Rated Input Voltage: 400 V AC (5 percent)
- -Rated Input Current: 0.20A( 5 percent)
- -Rotor Field Excitation Voltage: 50 VDC(5 percent)
- -Rated Speed: 1500 rpm (5 percent)
- -Rated Power: 140W(5 percent)
- -Dimension (Length x diameter): (260mm x 180mm)
- -Motor Outside Shaft Length: 40mm

