

**Salient Features:**

- Conservator And Transformer Tanks Are Made Of Transparent Acrylic For Easy To Observation Oil Levels.
- Air Pump And Foot Pump Are Provided To Simulate Gas Formation Short Circuit Fault
- Qrc Socket Provided To Replace Air Pump By Foot Pump Easily
- Transparent Piping For Easy To Observation Oil & Air Bubbles
- Facilitates Easy And Safe Wiring By Students Due To Use Of 4mm Sturdy Shrouded Banana Patch Cords And Socket Arrangements.
- Aluminum Profile Sturdy Flat Modular Demo Panel (table Top) System, Carrying Various High Voltage Components Housed In Plastic Enclosures (panel) To Minimise Shock Possibility.

Technical Specifications :

- 1 Phase Ac Input Supply Panel (EMT16A)
- 1 Ph.Dual Mcbs Of 2a For Short Circuit Protection
- Lamp To Indicate Buchholz Relay Trip/Fault
- Buchholz Relay
- Gas/ Oil Operated Relay

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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www.tescaglobal.com

- 2 Nos. Of No Contacts (upper And Lower Mercury Contacts) Are Brought Out On Sbs5 Sockets On `C`bracket.

Transformer Tank

- Air Tight Acrylic Tank To House Transformer
- Capacity- 1.5 Liters
- Tank Mounted Using Ms `L`plate
- Conservator Tank
- Top Open Acrylic Tank Used To Fill Oil In To Buchholz Relay
- Capacity- 1.5 Liters
- Tank Mounted On Ms `L`plate
- Reservoir / Sump Tray
- Ms Black Painted Tray To Collect Oil Overflow During Experiment
- 2mm Thick Ms Sheet
- Piping
- Plastic Reinforced 12mm(Ø) Piping As Air Vent- 1m
- Plastic Transparent 12mm (Ø) Inter Device Piping- 1m

| Items | Specification/Function | Qty |
|-----------------------------|--------------------------------------------------------------------------------------------------------|---------|
| Manual Ball Valves | Ss ¼ Inch (6mm) | 1 No. |
| | Ss ½ Inch (12mm) | 2 Nos |
| | Ss ¾ Inch (18mm) | 1 No |
| Non Return Valve (NRV) | Allows Air In To X`mer Container While Oil Is Prevented From Spilling Into Pump, Line Mounting (CI10T) | 1 No. |
| Quick Release Coupler (QRC) | To Substitute Air Pump By Foot Pump Easily ¼ Inch (6mm) | 1 No. |
| 6 X 4 Pu Tube | To Connect Air Pump/ Foot Pump To Transformer Container | 1.5 Mtr |
| Foot Pump | 150 Psi | 1 No. |
| Air Pump | 230vac Operated | 1 No. |
| Oil Mug | 500ml Plastic Graduated | 2 Nos. |
| Nozzles | Brass ½ Inch (5), Brass ¼ Inch (2) Brass ½ Inch By ¾ Inch Threading (2) | 9 Nos. |
| Tcoupler | Ss, ½ Inch Inner Threading | 1 No. |
| Hose Clips | ½ Inch | 7 Nos. |

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List Of Experiments :

- To Perform Experiment To Operate Buchholz Relay To Detect Gas Collected In The Relay Chamber.
- To Perform Experiment To Operate Buchholz Relay To Detect Low Oil Level Inside Relay.
- To Perform Experiment To Operate Buchholz Relay To Detect Surge Of Oil Due To Short Circuit.

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