

# Double Voltage Double Frequency Test Bench

Model : QDVDF 630VA

## FEATURES :

- Control Panel
- Motor Generator Set of 15 KVA (New Motor Generator Will be provided)
- Fully Automatic Star Delta Starter
- 3 Phase 20 Amp. Variable Auto Transformer (Motorized)
- All Digital Meters are provided
- Automatic Tripping Mechanism will be provided in all individual Setup
- Overload & Short Circuit Protection are provided in Each Phase for all Circuits.
- Digital Timer is provided along with ON-Off switch to set the Testing Time Duration.



## TECHNICAL SPECIFICATION

### SCOPE:-

A complete Common Test Bench to perform Induced Over Voltage Double Voltage Double Frequency Test (DVDF Test) To test 3-Phase Distribution Transformer of 11KV / 433V rating along with 3-Phase Motorized Variac of 20 Amp Capacity:- 415 Volts Input & 0 - 440 Volt output, Motor Generator Set of 15 KVA along with suitable Contactors, Panel meters & required accessories.

INPUT : 415 V, 3 phase , 4 wire , 50 Hz A.C.

OUTPUT : For DVDF Test 0 - 900 V 3 ph. 100 Hz. at Four Different Taps.

DUTY : Intermittent (I.e; 1 Mins. Withstand)

MATERIAL NAME	RANGE
1. Three Phase Variable Auto Transformer (Variac)	I/P : 440 V, 3 Ph. 50 Hz, AC O/P : 470 V, 3 Ph. 50 Hz. AC Capacity : 20 A 3 Phase Motorised
2. Motor - Generator Set	Input : 415 V Three Phase, 50 Hz through Fully Automatic Star Delta Starter. Capacity :- 15 KVA Frequency : 100 Hz Coupled with each other on a MS Channel Frame. New Motor Generator will be provided.
3. PROTECTION SCHEME	1. Overload Tripping Protection is provided in all R,Y,B phases of DVDF Circuit. 2. Short Circuit Protection is provided in all R,Y,B Phases of DVDF Circuit. 3. Fuse Protection is provided in Incoming Side. 4. Star Delta Starter is provided in SC Motor Circuit along with Thermal Overload Protection.
4. Input Section Metering	A) Digital Three Phase Voltmeter (With Voltmeter Selector Switch) 600 Volt AC
5. DVDF Section Metering	A) Digital Three Phase Voltmeter (With Voltmeter Selector Switch) 1000 Volt AC
B) 3 Nos. Digital Ammeter	(Three Ammeters are provided in individual Phases) 20 Amp AC
C) Digital Frequency Meter	40.00 Hz to 999.9 Hz
6. One Nos. Three Pole Contactor	18 Amp AC
7. Two Nos. Three Pole Contactor	18 Amp AC
8. Three Phase Rotary Switch	32 A AC
9. Indicating Light - Red, Yellow, Blue	220V AC

Catalog QDVDF/ KV/TEST BENCH

To keep pace with the latest technology Quadrant reserves the right to update it's system. Hence, information in the brochure is likely to change without notice.



**QUADRANT MEASUREMENTS** Pvt. Ltd. *Simplified Measurements Solutions*

Works : D - 51, MIDC, Satpur, Nashik, Maharashtra, INDIA.  
Email : sales@quadrantmeasurements.com  
Website : www.quadrantmeasurements.com

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