DOBLE OFF-LINE TESTING & ASSESSMENT

High-Voltage Asset Analyzer

THE MOST-COMPREHENSIVE SOLUTION FOR COMMISSIONING, DIAGNOSTIC AND SCHEDULED MAINTENANCE TESTING

The Doble M7100 High-Voltage Asset Analyzer is your complete solution for high voltage testing. With an intuitive design and patented dual high-voltage leads, the M7100 greatly reduces the number of ladder trips technicians are exposed to per job—sometimes cutting the number to nearly one third. This significantly improves the safety and quality of field work by limiting exposure to the workforce and reducing errors.

The M7100 automates multiple tests, previously performed by several pieces of equipment, cutting down testing time from seven hours to one and a half hours. By dramatically reducing testing time, you can now maximize outage periods by performing more maintenance during the hours previously devoted to testing.

FEATURES

- Built-in Low Voltage/High Current Multi-Frequency Source
- Combined Source and Measurement Test Leads
- True 4-Terminal measurements
- Intuitive design where the color or number is the connection
- Patented dual high-voltage leads that allow you to switch between Source and Measurement—both capabilities are within each HV lead
- Enhanced safety features include new safety switch design

BENEFITS

- Finish testing in a third of the time
- Maximize your outages and limit safety risk
- Replace a truck full of instruments and cables
- Greatly reduce the number of ladder trips technicians are exposed to per job





SUPPORTED STANDARDS		
NETA	2011 Maintenance 7.2.2 2007 Acceptance 7.19.2	
IEEE	C57.152 C57.13 C57.13.6 C57.19.01 286	
IEC	60076-1 60137 61850-9-2-Ed.2 B	
IEC/TR	60894	

TEST CAPABILITIESPower Factor/Tan DeltaVariable Frequency Power Factor/Tan DeltaDemagnetization Feature3 Phase Turns Ratio10 kV Turns RatioLeakage Reactance (1Ø, 3Ø)3 Phase Winding DC Resistance3 Phase 10kV (Single Phase) Exciting Current and LossFUTURE ENHANCEMENTS0LTC Dynamic Resistance Measurement (DRM)External ReferenceCapacitor BankPrimary Injection

SYSTEM CABLES		
Туре	Quantity	
High Voltage Cables	2	
Low Voltage Cables (Red, Blue, Yellow, Black)	4	
Measurement Cables (Red, Blue, Yellow)	3	
Ground Lead (Copper)	1	
OLTC Control Cable	1	
USB Cable	1	
Ethernet Cable	1	
AC Power Cord	1	
External Temperature & Humidity Module w/Cable	1	
External LED Strobe Lamp w/Cable	1	
8' (2.4M) Integrated Safety Switch/Cabl	e 1	
65' (19.8M) Integrated Safety Switch/Cab	le 1	
Doble Bushing Tap Adapters	4	
Hot Collar Straps	7	
5 ft Copper Jumpers	5	
OPTIONAL ACCESSORIES		
M7 Truck		
MFL Liquid Insulation Test Cell		
Type C Resonator (Up to 12 kV)		
Doble Universal Controller (DUC)		

INCLUDED ACCESSORIES



μΩ Meter

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