

# EQUIPMENT RENTALS

## RENTAL OPTIONS FOR ADDITIONAL TEST EQUIPMENT

Doble offers a variety of flexible, cost-effective rental options to meet your short-term test equipment needs. Doble rental solutions include:

- Next day delivery in many locations.
- Weekly and monthly rental options.
- Engineering consulting and recommendations available for apparatus test procedures, data analysis and apparatus condition.

With deliveries to your facility as quickly as the next day, short-term rentals are ideal for those in need of an extra unit during times of heavy workload or to cover an immediate need for equipment.

Doble engineers provide support for all rental equipment and are ready to assist you with technical questions and test result consultations.

## EQUIPMENT RENTAL OPTIONS

### OFF-LINE TESTING & ASSESSMENT



#### M4100 Insulation Analyzer

The Doble M4100 Insulation Analyzer's combination of test capabilities and artificial intelligence analysis software makes it the power industry's most trusted Power Factor/Tan-Delta instrument.

**SOFTWARE:** DTA6 Pro software is available for an additional charge

**CONTROLLER:** Add a Doble Universal Controller (DUC), which comes pre-loaded with Doble Test Assistant (DTA) software

**ACCESSORIES:** Insulation analysis accessories are also available to rent



#### M5400 Sweep Frequency Response Analyzer

The Doble M5400 Sweep Frequency Response Analysis test set investigates the mechanical and electrical integrity of transformers, reactors and other equipment containing windings. Use it to help determine if a transformer is mechanically or electrically damaged, if it can go back in service after a fault or if it has been damaged during transit.

**SOFTWARE:** SFRA software is included with your M5400 rental

**CONTROLLER:** Add a Doble Universal Controller (DUC), which comes pre-loaded with SFRA software



#### TDR900 Circuit Breaker Test System

The Doble TDR900 is an entry-level, portable circuit breaker test set. Use the TDR900 to verify control circuit, check motion of moving parts, validate time of operation and demonstrate results of circuit breaker maintenance.

**SOFTWARE:** T-Doble software is included with your TDR900 rental

**CONTROLLER:** Add a Doble Universal Controller (DUC), which comes pre-loaded with T-Doble software

## PROTECTION TESTING

### F6150 Power System Simulator



Doble's F6150 Power System Simulators are your versatile solutions for testing IEC 61850-based protection devices and schemes. Whether you need to test an individual component or test an entire scheme, F6150 Power System Simulators perform an array of tests ranging from simple to complex.

**SOFTWARE:** Your rental can include Protection Suite Pro software for an additional charge  
**CONTROLLER:** Add a Doble Universal Controller (DUC), which comes pre-loaded with Protection Suite Pro software

## INSULATION ANALYSIS ACCESSORIES

### Type C Resonator



Used to assist with testing large specimens such as motors, generators and cables, the Type C Resonator provides extra current needed for high voltage test levels. The Type C Resonator allows precise balance with the test specimen, maximizing the highest voltage range possible. Pair the Type C Resonator with the M4100 to extend its charging current range and test high capacitance apparatus.

### M4110 Leakage Reactance Module



The M4110 Leakage Reactance Model is an insulation analysis accessory that measures and calculates both per-phase and three-phase equivalent leakage reactance and loss for transformers. Use with the Doble M4100 Insulation Analyzer to measure the short circuit impedance of transformers, a vital tool for diagnosing winding deformation.

### How Do I Rent?

To learn more about Doble's short-term rental program, email [rentals@doble.com](mailto:rentals@doble.com).



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Doble is ISO certified.  
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