NEW CAPABILITY

HypotULTRA® Insulation Resistance Now Reaches 200 GΩ

The industry's most flexible dielectric analyzer just got more capable. HypotULTRA 4-in-1 testers now measure insulation resistance up to 200 GΩ – four times the previous ceiling – so you can qualify higher impedance insulation systems on the same platform you already trust for AC/DC hipot, ground continuity, and 40A ground bond testing (on the 7804 and 7854 models only).



HypotULTRA® Series · Dielectric Analyzer

200 GΩ	4×	4
NEW MAX IR RANGE	HIGHER THAN PREVIOUS 50 GΩ CEILING	MODELS NOW SHIP WITH IT

WHAT'S NEW

- Insulation resistance testing capability increased to 200 GΩ.
- Built into new HypotULTRA units on models 7800, 7804, 7850, and 7854.
- Safety Features: Safety interlock, SmartGFI®, and security access.
- Same ProVOLT®, FailCHEK®, and Charge-LO® workflows operators already know. No new procedures to learn.
- Provides LabVIEW and IVI instrumentation drivers for creating unit control software.
- Supports GPIB, ENET, USB, and RS-232 communications interfaces.
- Ideal for cable, wire harness, aerospace, battery, and high-impedance component manufacturers qualifying insulation systems that require test capabilities above 50 GΩ.

FIND THE MODEL THAT FITS YOUR TESTING NEEDS

MODEL	AC HIPOT	DC HIPOT	GROUND BOND (40A)	GROUND CONTINUITY	INSULATION RESISTANCE	200 GΩ IR	EN 50191
7800	500 VA*	•		•	•	•	
7804	•	•	•	•	•	•	•
7820	•			•			
7850	•	•		•	•	•	•
7854	500 VA*	•	•	•	•	•	

*Meets 200 mA short circuit requirements. Model 7820 performs AC hipot and ground continuity testing only and does not include insulation resistance (200 GΩ upgrade does not apply).

PARAMETER	RANGE	RESOLUTION	ACCURACY
Output Voltage, DC	10 – 1,000 VDC	1 VDC	±(1.5% of setting + 2 V)
	1,001 – 6,000 VDC	1 VDC	±(1.5% of setting + 5 V)
Charging Current	Maximum > 20 mA peak		
HI and LO-Limit, Resistance	0.10 MΩ – 99.9 MΩ (HI-Limit: 0=OFF)	0.01 MΩ	±(2% of setting + 2 counts)
	100.0 MΩ – 999.9 MΩ	0.1 MΩ	1,000 – 9,999 ±(5% of setting + 2 counts)
	1,000 MΩ – 50,000 MΩ	1 MΩ	10,000 – 50,000 ±(15% of setting + 2 counts)
	50.00 GΩ – 99.99 GΩ	**0.01 GΩ**	**±(20% of setting + 5 counts)**
	100.0 GΩ – 200.0 GΩ	**0.1 GΩ**	**±(30% of setting + 5 counts)**
Ramp Up Timer	Range: 0.1 – 999.9 sec		
Ramp Down Timer	Range: 1.0 – 999.9 sec		
Dwell Timer	Range: 0.5 – 999.9 sec (0=Continuous)		
Delay Timer	Range: 0.5 – 999.9 sec		
Charge-LO	0.000 – 3.500 µA or Auto Set		

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