

Model	Resistance Range	Excitation Waveform	Best Accuracy	Best Resolution	Battery Operated	Weight / Dimensions (H X W X D)	Applications	Main Features	
 710A	10 mΩ to 100 Ω	10 μA - 100 mA 	±(0.2% Reading + 0.02% Range)	1 μΩ	Yes	0.7 lb / 7.6 X 3.3 X 1.1 in.	Ground bond testing, resistance measurements up to 100Ω	Handheld, 100 Hour Battery Life with 3 AAs, Display Probe available	
 1740	20 mΩ to 20 MΩ	100 nA - 100 mA 	0.02%	1 μΩ	No	9 lb / 5.2 x 8.5 x 13.0 in.	Resistor and fuse, contact resistance, electro-plating, thermo-electric cooler, bond , airframe crack testing.	Fast (10 ms) and Accurate mΩ Measurements.	
 1750	2 mΩ to 20 MΩ	100 nA - 1 A 	0.02%	100 nΩ	No	9 lb / 5.2 x 8.5 x 13.0 in.	Resistor and fuse, battery cables, contact resistance, electro-plating, thermo-electric cooler, bond testing.	Fast (10 ms) and Accurate μΩ Measurements. Standard RS-232 and GPIB Interfaces.	
 R1L-BI	2 mΩ to 20 Ω	140 μA - 1.4 A 	0.25%	1 μΩ	Yes	3.6 lb / 4 x 11.6 x 8 in.	Bond testing, electric motors, generators, transformer winding, coils, PCBs, resistors testing, Battery interconnection tests, Vehicle ground systems, EMI shields in equipment, vehicles and structures.	Compact Bench Top Design, Lowest Cost	
 R1L-BIR	2 mΩ to 20 Ω	140 μA - 1.4 A 	0.25%	1 μΩ	Yes	6.7 lb / 5 x 10 x 9 in.		Compact Rugged Design, Lowest Cost	
 R1L-BIR1	2 mΩ to 20 Ω	140 μA - 1.4 A 	0.25%	1 μΩ	Yes	9.8 lb / 6.1 x 14.1 x 10.6 in		Bond testing in rotary wing aircrafts, Fueling system ground integrity, Lighting protection system validation, Motor and transformer testing.	Comes with Kelvin Probes and Alligator Clips in a Rugged Case.
 R1L-C	2 Ω to 20 kΩ	400 μA - 40 mA 	1%	1 mΩ	Yes	8.5 lb / 6.1 x 14.1 x 10.6 in.		Test system grounds on towers, antennas, radar systems, launch vehicles etc. Soil resistivity meas.	Robust Design, Military Spec Heavy Duty Ground Rods.
 R1L-D1	200 mΩ to 2 kΩ	500 μA - 50 mA 	0.05%	1 μΩ	Yes	10 lb / 6.1 x 14.1 x 10.6 in	Low resistance measurements on long wires in helicopters, aircrafts, ships, buildings, down well pumps and wind turbines.	High Resolution Ohmmeter and Very Low Current RTD Monitor in one unit.	

INTRINSICALLY SAFE MICROOHMMETER SELECTION

Model	Resistance Range	Excitation Waveform	Best Accuracy	Best Resolution	Battery Operated	Weight / Dimensions (H X W X D)	Applications	Main Features
 720A	10 mΩ to 100 Ω	10 μA - 100 mA 	±(0.2% Reading + 0.02% Range)	1 μΩ	Yes	0.7 lb / 7.6 X 3.3 X 1.1 in.	Ground bond testing and resistance measurement in hazardous locations	Intrinsically Safe, all functions and features of the 710A.
 R1L-E2A	2 mΩ to 20 Ω	130 μA - 1.3 A 	0.10%	1 μΩ	Yes	15.1 lb / 7.1 x 17.5 x 11.5 in	Testing airframe ground bonds, especially around fuel systems.	Intrinsically Safe, Robust Design for Explosive Atmospheres. Specialty Probes. C-UL-US, ATEX

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