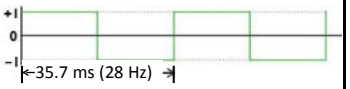
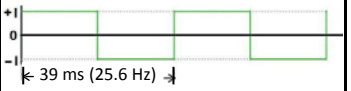
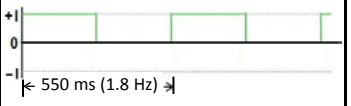
TEGAM

MICROOHMMETER SELECTION GUIDE

Model	Resistance Range	Excitation Waveform	Best Accuracy	Best Resolution	Battery Operated	Weight / Dimensions (H X W X D)	Applications	Main Features
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-B 	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-BR 	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-BR1 	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, Millitary 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.
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