

Comparison of null/microvolt meters

Meter	Input R	Ranges	Accuracy
Fluke 845	100 M Ω (300 mV range and up) 10 M Ω (100 mV range and down)	19 ranges in 1/3 sequence $\pm 1 \mu\text{V}$ to 1000 V full scale	$\pm 2\%$ FS + 0.1 μV
HP 419A	100 M Ω (1 V to 1000 V ranges) 10 M Ω (100 mV and 300 mV ranges **) 1 M Ω (10 mV and 30 mV ranges **) 100 k Ω (3 μV to 3 mV ranges **) ** infinite at null	18 ranges in 1/3 sequence $\pm 3 \mu\text{V}$ to 1000 V full scale	$\pm 2\%$ FS + 0.1 μV
Keithley 155	100 M Ω (3 V to 1000 V ranges) 10 M Ω (300 mV and 1 V ranges) 1 M Ω (1 μV to 100 mV ranges)	19 ranges in 1/3 sequence $\pm 1 \mu\text{V}$ to 1000 V full scale	$\pm 2\%$ FS