Years ago I bought a large not working 19" LAB DMM (Datron 1061a). It is an extremely precise 6.5 digits DMM for its time of 1983. Luckily it came with all the handbooks & I am pleased to say is quite serviceable now after finding a silly PCB plug fault. (7.5 dig display)

Here is part of the exacting specification...

+/- 1.999999 on most ranges with the filtering & averaging options in. e.g. with a 0.19V input, you can resolve down to ±100nV or 126dB S/N.

DC VOLTS Input Z ---- Accuracy since last Cal-------
Range: 24hr, 90 day, 1 year
100mV >10GΩ ±10ppm or 0.001%, 30ppm, 45ppm
1 & 10V >10GΩ ±5ppm or 0.0005%, 20ppm, 30ppm
100V & 1kV >100MΩ ±10ppm or 0.001%, 30ppm, 45ppm

DC CURRENT ---- Accuracy since last Cal-------
Range: 24hr, 90 day, 1 year
0.1-100mA ±50ppm or 0.005%, 100ppm, 150ppm
1A ±100ppm or 0.01%, 200ppm, 300ppm
Shunts:100mV drop across all shunts for 100% (reads to ±199%).

RESISTANCE Test ---- Accuracy since last Cal-------
Range: Current 24hr, 90 day, 1 year
10Ω 10mA ±15ppm or 0.0015%, 40ppm, 60ppm
100Ω 10mA ±10ppm or 0.001%, 30ppm, 45ppm
1kΩ 1mA ±10ppm or 0.001% 30ppm, 45ppm
10kΩ 100μA ±10ppm or 0.001% 30ppm, 45ppm
100kΩ 10μA ±15ppm or 0.0015% 40ppm, 60ppm
1MΩ 1μA ±30ppm or 0.003%, 100ppm, 200ppm
10MΩ 100nA ±150ppm or 0.015%, 300ppm, 500ppm

Measurement is 2 or true 4 wire system & with up to 10Ω lead Resistance. And it also measures in circuit 1 of 3 Rs.

AC RMS VOLTS Input Z ---- Accuracy since last Cal-------
Range: 24hr, 90 day, 1 year
100mV 1MΩ//150pF ±0.04% ±0.08% ±0.12%
1-100V 1MΩ//150pF ±0.02% ±0.04% ±0.06%
100mV 1MΩ//150pF ±0.04% ±0.08% ±0.12%

Frequency Response flat 10Hz - 1MHz @ -2%
True RMS measurements to 7:1 crest to mean factor.

AC RMS CURRENT ---- Accuracy since last Cal-------
Range: 24hr 90 day, 1 year
0.1-1A 0.1%, 0.2%, 0.3%

Shunts: as DC
True RMS measurements to 3:1 crest to mean factor.

Other features:
AC+DC True RMS option for Volts & Current as AC ranges.
Local or separate screen guard system.
IEEE interface for automatic readings/logging.
Go/fail % testing.
Reading accuracy calculation.
Direct entry number keyboard.
DB calculation/readings on all ranges to ±0.01dB.
Pre use calibrated self check.
Security key locked calibration, easy press button cal features.

See my tech bul on "Measuring 1 of 3 Rs"

Why Don't U send an interesting bul?

73 De John, G8MNY @ GB7CIP