

4.16. PRECISION METER OF CAPACITOR PARAMETERS

It is designed for automatic measurement of capacitance C and tangent of loss angle $\operatorname{tg}\delta$ over a wide range of frequencies and values.



It can be used for:

- scientific researches;
- metrological certification of measuring instruments;
- quality control of electrical and radio engineering products;
- measurement of non-electric quantities.

The meter provides:

- automatic selection of measuring range;
- four-point connection of the object;
- work in conjunction with PC via RS-232 interface.

Technical specifications:

Measuring range	0 ... 1000 μF
Frequency range	45 Hz ... 100 kHz
Resolution by tangent loss angle	not worse than 10^{-6}
Relative measurement errors	0,0001/0,00001
Measurement time	no more than 1 s