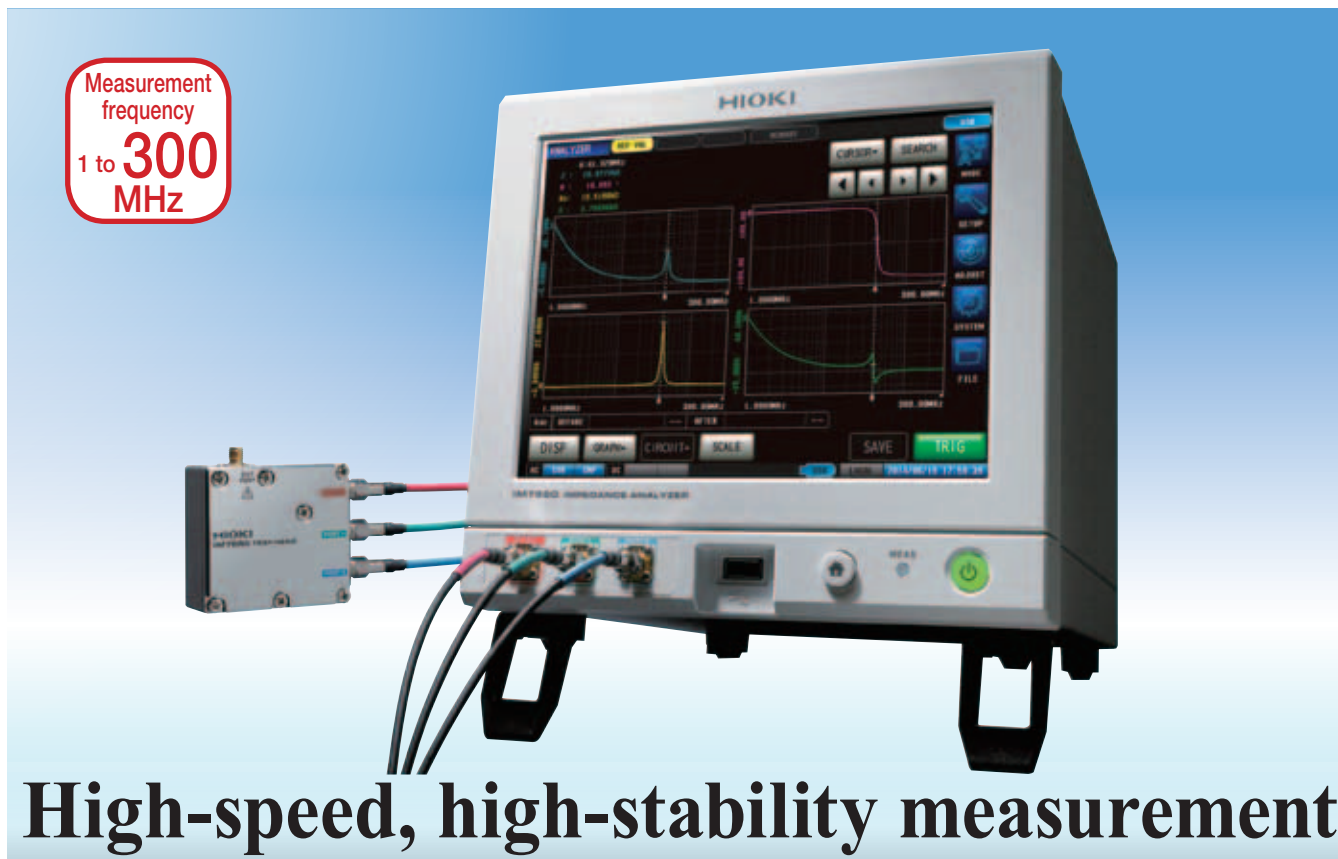


IMPEDANCE ANALYZER IM7580

Component Measuring Instruments



Measurement frequency
1 to **300**
MHz

High-speed, high-stability measurement

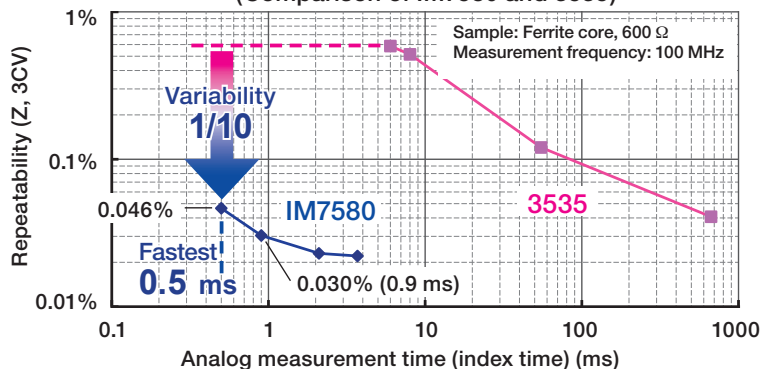
High-speed

Measurement time: As fast as 0.5 ms
(Analog measurement time)

High-stability

Measured value variability: 1/10
(Compared to legacy model 3535)

Repeatability and analog measurement time
(Comparison of IM7580 and 3535)



The IM7580 delivers analog measurement times as fast as 0.5 ms. In addition, repeatability (variability) has been improved to approximately 1/10 of the legacy model, the 3535.

High-speed, high-stability measurement means you can measure more test pieces in a given amount of time and enjoy better throughput.



ISO 9001
JMI-0216



ISO 14001
JQA-E-90091



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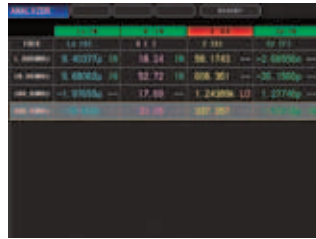
HIOKI company overview, new products, environmental considerations and other information are available on our website.



Measurement capabilities suited to a variety of production lines



For single-frequency pass/fail judgments (LCR mode)



For multiple-frequency pass/fail judgments (Analyzer mode)



For pass/fail judgments based on frequency characteristics (Analyzer mode)



For pass/fail judgments as part of compound tests (Continuous measurement mode)

Recommended measurements for R&D applications

- Measurement of frequency characteristics and level characteristics
- Five-model equivalent circuit analysis

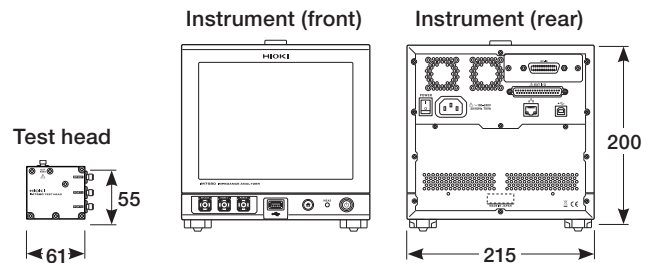
Contact check function (DCR measurement with Hi-Z reject)

The IM7580 can perform contact checks using DCR measurement for components such as inductors, ferrite cores, and common-mode filters. It can also perform contact checks using Hi-Z reject functionality for components such as capacitors.

Both of these capabilities can be combined with a chatter detection check to deliver highly reliable measurement.

Space-saving design that fits two instruments into a full-size rack

The IM7580 features a half-rack size form factor that measures 215 W × 200 H × 268 D mm (8.46 W x 7.87 H x 10.55 D inches), allowing two of the instruments to fit side by side in a full-size rack. The instrument also uses a compact test head that measures 61 W × 55 H × 24 D mm (2.40 W x 2.17 H x 0.94 D inches).



IM7580 specifications overview

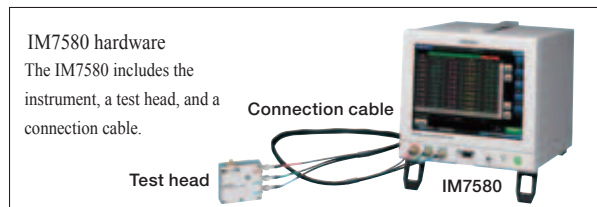
Measurement frequency	Frequency range: 1 MHz to 300 MHz Measurement resolution: 1.0000 MHz to 9.9999 MHz: 100 Hz steps 10.000 MHz to 99.999 MHz: 1 kHz steps 100.00 MHz to 300.00 MHz: 10 kHz steps
Measurement level	-40.0 dBm to +7.0 dBm (4 mV to 1001 mV)
Measurement time	As fast as 0.5 ms (analog measurement time)
Measurement range	100 mΩ to 5 kΩ

Contact check functionality	DCR measurement Hi-Z reject Waveform judgment (chatter detection)
Measurement parameters	Z, Y, θ, Rs, Rp, X, G, B, Cs, Cp, Ls, Lp, D, Q
Analyzer mode	Frequency/level sweep measurement (801 points)
Continuous measurement mode	LCR mode: 30 conditions Analyzer mode: 16 conditions
Interfaces	Handler, USB, LAN, GP-IB (optional), RS-232C (optional), USB memory

IMPEDANCE ANALYZER IM7580

Coming soon

(Accessories: Power cord, Instruction manual)



Test fixtures or probes are not included with the instrument. The Impedance Analyzer IM7580 requires a dedicated test fixture. For more information, please contact your Hioki distributor.

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