Digital Multimeter R6552, R6552L, R6552T

High-speed and

high-resolution true

RMS digital multimeter

Brief description

R6552 is a high-speed and high-resolution true RMS digital multimeter which can be used for instance for measuring the current consumption of mobile phones. The product is ideal for integration into test systems and its various measurement modes allow reliable determination of current consumption of mobile phones in different operating modes.

Main features

- Display range up to 319999 (5½ digits)
- Full remote-control capability via IEC/IEEE bus and RS232
- 12 different settings for mesurement of DC voltage/current, AC voltage/current, 4- and 2-wire resistance, frequency and diodes
- Resolution of 0.1 µV or 100 µΩ for resistance measurements
- True RMS measurement of AC voltage/current even of distorted waveforms
- Measurement of DC component of AC+DC currents or voltages
- Max. sampling rate 1000 samples/second
- FAST, MED and SLOW setting modes
- BURST and LONG-IT modes for measurement of standby current of PDC, PHS and other mobile phones
- External trigger input, end-of-measurement signal output
- NULL adjustment, smoothing, range selection, dB/dBm display, comparator function and MAX/MIN functions
- High-speed autoranging
- High-intensity fluorescent display

Specifications in brief

Max. display range	319999 (5½ digits)
Resolution for DC voltage measurement	0.1 µV
Resolution for resistance measurement	100 µΩ
Max. sampling rate	1000 samples/s (for BURST measurement)
Accuracy	
DC voltage	±0.01% of reading
AC voltage	±0.06% of reading
DC current	±0.05% of reading
Integration time for averaging repetitive signals	can be set in steps of 10 ms between 100 ms and 60 s
GPIB and RS-232C interfaces	standard
Data memory	for up to 10 000 measured values
Memory	for four instrument settings

Ordering information

Digital Multimeter	R6552