Network Analyzers

Easy to Operate, High Measurement Accuracy

R17050

- ■ **Easy to operate**
- ■ **Verifies of measurement accuracy**
  Measurement verified simultaneously with calibration

R17050
Automatic Calibration Kit

■ Overview

R17050 is an auto matching calibration kit (3.5mm connectors) for use with the R3765G and R3767G network analyzers. Calibration can be carried out with simple key operations; simply select the type of calibration. After calibration, confirmation of measurement accuracy can be carried out simultaneously with measurement, avoiding error introduced by misoperation or faults, and making it easy for anyone to obtain highly accurate measurements.

Comparison when 2-port full calibration is executed

	R17050 Automatic Calibration Kit	Conventional System (mechanical calibration)
Reconnection of standard	Not necessary	OPEN/SHORT/LOAD/THRU reconnected 7 times
Calibration kit selection	Not necessary	Select in accordance with calibration kit to be used
Through standard correction	Not necessary	Correction needed
Verification of measurement accuracy	Verification function provided	Function not provided

■ R17050 Specifications

Polarity of the 3.5mm RF connector specified in accordance with option.

option 04	female-female
option 05	male-male
option 06	female-male

The following calibration can be executed

Calibration	AG model	BG model	CG model
1 port full call	○	○	○
2 port full call	—	—	○
1 port & Normalize	○	○	○

—— **Specifications** ——

Frequency Range: 40MHz to 8 GHz
Operating Temperature Range: 20 to 30 ˚C
Measurement Accuracy: ±0.05 dB (typical)
Temperature Coefficient: 0.002dB/˚C (typical)
Control: Network analyzer serial I/O (RS2322)
Power Supply: Supplied by network analyzer probe power