

FIT70 70 MHz -1000 MHz

Frequency range:..... 70 MHz ... 1000 MHz

RF-Power measurement (cont. or bursts)

Measuring range

70 MHz ... 88 MHz: 500 mW ... 50 W

88 MHz ... 180 MHz: 250 mW ... 50 W

180 MHz ... 400 MHz: 100 mW ... 50 W

400 MHz ... 1000 MHz: 20 mW ... 50 W

Resolution: 0.1 dB

Offset-setting: ± 12.7 dB (0.1 dB-steps)

Accuracy

70 MHz ... 88 MHz: $\leq \pm 1.5$ dB (P = 10 W)

88 MHz ... 180 MHz: $\leq \pm 1.5$ dB (P = 5 W)

180 MHz ... 400 MHz: $\leq \pm 1.5$ dB (P = 2.5 W)

400 MHz ... 1000 MHz: $\leq \pm 1$ dB (P = 1 W), (typ. ± 0.5 dB)

Display: numeric, bargraph, min/max, in W or dBm

VSWR-measurement

Measuring range: 1.2 ... 10

Resolution: 0.1 (VSWR: 1.0 ... 3.0)

..... 0.2 (VSWR: 3.0 ... 5.0)

..... 0.5 (VSWR: 5.0 ... 10.0)

Display: numeric, bargraph, min/max
..... simultaneously to power

Indication of antenna short-circuit: LED-red

Voltage measurement

DC range: 0 ... 30 V

Resolution: 0.1 Ohm

Display: numeric, bargraph

Beeper: active < 8 Ohm

General

Connectors: N-sockets at RF-Head

Safety sockets for 4 mm banana plugs for V =, Ohm, GND

Display: 2-line, LCD with back light

Power requirements: 4 ea Mignon-batteries

..... or 4 ea NiCd rechargeable batteries size AA

Power consumption (without back light): < 95 mA

Dimensions: (instrument) 197 mm x 97 mm x 40 mm

(RF-head) 120 mm x 75 mm x 30 mm

Weight: (instrument) approx. 0.55 kg incl. batteries

(RF-head) approx. 0.6 kg incl. cable

Delivery

Base unit, RF-head, operating manual

Ordering information

Fast-Installations-Tester FIT 70 - 1000 MHz BN 86814.000