

## RF installation tester FIT 1700

### 1700 MHz ... 2000 MHz

The RF installation tester FIT 1700 measures the power output by the transmitters and the power reflected by the antenna installation. The indication can be in either Watt or dBm. It is also possible to indicate VSWR instead of reflected power.

During measurements with the FIT 1700 on installations with longer antenna cables, it is recommended to measure at two points: At the radio's output and directly at the base of the antenna. Measurement errors caused by these high frequencies due to cable attenuation and impedance transformation can then be avoided.

The FIT 1700 includes a digital voltmeter with a conversion time that is so short that even dips in the supply voltage during the transmitted pulses can be detected. The maximum and minimum values that occur during the measurement are saved.



## Technical data FIT 1700

### Frequency range: **1700 MHz ... 2000 MHz**

RF power measurement (contin. or bursts):

Measurement range: 2 mW ... 5 W

Resolution: 0.1 dB

Tolerance (P = 1 W):  $\leq \pm 1.0$  dBOffset adjustment (0.1 dB steps):  $\pm 12.7$  dB

Display: Numeric W or dBm, Min./Max.

VSWR measurement:

Measurement range: 1.2 ... 10; &gt; 10

Resolution VSWR 1.0 ... 3.0: 0.1

VSWR 3.0 ... 5.0: 0.2

VSWR 5.0 .....10: 0.5

Display: Numeric, Min./Max., bar graph

Antenna short-circuit indication: Red LED

DC voltage measurement:

Measurement range: 0 ... 30 V

Resolution: 30 mV

Display: Numeric, Min./Max., bar graph

Resistance measurement:

Measurement range: 0.3 W 1 kW

Resolution: 0.1 W/1 W

### General

Connections: N sockets on the measuring probe  
safety sockets 4 mm banana plugs, V=, W, GND

Display: 2-line LCD with illumination

Power supply: 4 x mignon batteries; 4 x AA  
rechargeable batteriesPower consumption (without illumination):  $\leq 95$  mAOperating temperature:  $+ 5$  °C ...  $+ 45$  °C

Electrical safety: EN 61010

EMC: CE marking

Dimensions (base unit): 197 mm x 97 mm x 40 mm

(Measuring probe): 120 mm x 75 mm x 30 mm

Weight (base unit incl. batteries): Approx. 0.55 kg

(Measuring probe): Approx. 0.6 kg

Items supplied: Base unit, measuring probe, manual

### Order code:

RF installation tester FIT 1700 Order no. 86815.000

### Accessories

Transport case Order no. 86813.101

for base unit, measuring probe, manual and accessories

RF adapter set

(BNC, TNC, Mini-UHF)

Order no. 86813.102