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mcs test equipment
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RF installation tester FIT 400

400 MHz ... 1000 MHz

The RF installation tester FIT 400 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.
The FIT 400 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 400

Frequency range:	**400 MHz ... 1000 MHz**
RF power measurement (contin. or bursts):	
Measurement range:	20 mW ... 50 W
Resolution:	0.1 dB
Tolerance (P = 1 W):	≤ ± 1.0 dB
Offset adjustment (0.1 dB steps):	± 12.7 dB
Display: Numeric W or dBm, Min./Max.	
VSWR measurement:	
Measurement range:	1.2 ... 10; > 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
Display:	Numeric, bar graph
Beeper:	Active ≤ 8 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 or 4 x AA rechargeable batteries
Power consumption (without illumination):	≤ 95 mA
Operating 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):	20 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 400	Order no. 86813.000

Accessories

Transport case for base unit, measuring probe, manual and accessories	Order no. 86813.101
RF adapter set (BNC, TNC, Mini-UHF)	Order no. 86813.102