

# RF antenna tester

## RF antenna tester FAT 2700



- **Ideal for 50  $\Omega$  transmission systems**
- **Future-proof - independent of the operating standard**
- **Easy to operate**
- **Direct VSWR measurement**
- **Tolerance + 5 % (20 MHz ... 800 MHz)**
- **Frequency range 20 MHz ... 2,700 MHz**
- **RF generator frequency indication: 4-digit**
- **Rechargeable batteries**
- **Small and handy**

The RF antenna tester FAT 2700 includes everything that is required for the measurement of an antenna or cable installation: an RF generator with continuously adjustable frequency in the range from 20 MHz to 2,700 MHz and a VSWR bridge. The measured result is read on a pointer instrument without delay.

The RF antenna tester FAT 2700 with a volume of around 0.5 l and a weight of only 0.5 kg including the rechargeable battery can be used anywhere.

Operation is very straightforward: switch on – set frequency on the RF generator – read VSWR – finished.

An accessory set comprising a pouch for the FAT 2700, a charging cable and four RF adapters supplements the equipment.

Schomandl Distributor:



**MCS Test Equipment Ltd**  
Unit 5-6 Station Yard,  
Llanrwst, Conwy,  
North Wales,  
LL26 0EH

Tel: 08453 62 63 65  
Fax: 08453 62 36 16

Email: [sales@mcs-testequipment.co.uk](mailto:sales@mcs-testequipment.co.uk)  
Web: [www.mcs-testequipment.co.uk](http://www.mcs-testequipment.co.uk)

# Technical data FAT 2700

## VSWR measurement

|                       |                               |
|-----------------------|-------------------------------|
| Impedance:            | 50 $\Omega$                   |
| VSWR measuring range: | 1.0 ... 3.0; 4                |
| Uncertainty:          |                               |
| Band I:               | 20 MHz ... 800 MHz: + 5 %     |
| Band II:              | 800 MHz ... 1600 MHz: + 10 %  |
| Band III:             | 1600 MHz ... 2700 MHz: + 15 % |

|                       |                              |
|-----------------------|------------------------------|
| RF generator          |                              |
| Frequency range:      | 20 MHz ... 2700 MHz          |
| Frequency indication: | with 4-digit counter         |
| Resolution:           |                              |
| Band I:               | 20 MHz ... 800 MHz: 0.1 MHz  |
| Band II:              | 800 MHz ... 1600 MHz: 1 MHz  |
| Band III:             | 1600 MHz ... 2700 MHz: 1 MHz |

|  |                                  |
|--|----------------------------------|
| Tolerance:                               | < + 3 x 10 <sup>-5</sup>         |
| Output signal level:                     | - 3 dBm (typ.)                   |
| Permissible RF level at the test socket: | < 100 mW                         |
| RF connection:                           | N socket                         |
| General:                                 |                                  |
| Power supply:                            | 4 NIMH rechargeable batteries AA |
| Operating temperature:                   | 0 °C ... +50 °C                  |
| EMC:                                     | CE marking                       |
| Dimensions (L x W x H):                  | 184 mm x 92 mm x 39 mm           |
| Weight (incl. rechargeable batteries):   | 0.5 kg                           |

|                                     |  |
|-------------------------------------|--|
| Items supplied:                     |  |
| RF antenna tester                   |  |
| 4 rechargeable batteries (built-in) |  |
| 1 charger                           |  |
| 1 German/English operating manual   |  |

|                            |                     |
|----------------------------|---------------------|
| Order code:                |                     |
| RF antenna tester FAT 2700 | Order no. 86817.000 |

|   |                     |
|---|---------------------|
| Accessories   |                     |
| Accessory set   | Order no. 86817.101 |
| Comprising:   |                     |
| Transport pouch   |                     |
| RF adapter set (FME plug, BNC socket,<br>TNC socket, Mini-UHF socket) |                     |
| Charging cable for cigarette lighter                                  |                     |