

## Compact Wide-Band SWR Analyzer with built-in Signal Generator, Graphical Display and Data Storage System

### DESCRIPTION

- Compact, hand-held all-in-one SWR analyzer.
- Light Weight and Rugged Design.
- Covers 30 - 2700 MHz.
- Instrument Setup by Multilayer Menu System.
- Swept SWR or Return Loss measurement.
- Easy to use:
  - Enter centre frequency and span.
  - Adjust cursor line to analyze measurement.
  - Press HOLD and COPY to store measured results.
- USB interface (A-type) for storage of display contents onto memory stick.
- Date and Time Stamp on data by built-in Real Time Clock.
- Bright LCD display ensures use in direct sunlight.
- Back Light for use in dark areas.
- Built-in rechargeable battery.
- Auto Power Off saves battery power.
- 230 V AC or 115 V AC (US) adapter included for charging of the battery.
- Accessory Kit available containing:
  - Soft carrying bag.
  - Standard coaxial adapter kit.
  - Car charger for cigarette lighter connector.



### SPECIFICATIONS

Electrical		
Model	SWR 4000	
Span	0 to 2670 MHz, set by user	
Sweep	101 points	
Impedance	50 $\Omega$	
Max. Input Power (dBm)	20 dBm	
Accuracy	50 ppm	
Application	Measurement of SWR or Return Loss in 50 $\Omega$ coaxial transmission lines	
Output Power	Approx. -4 dBm	
Range	30 - 2700 MHz	SWR : 1.0 to 9.9 Return Loss : 0 to -30 dB
Resolution	Down to 20 kHz	
Centre	Set by user	

Mechanical	
Car Charger	12 / 7.5 V regulated (in accessories kit)
Charger	230 V AC / 7.5 V DC charger (included)
Cursor Resolution	3 digits
Battery	4 pcs. rechargeable AA cells 1.2 V 2.1Ah
Fc MHz Button	Activates centre frequency input by the numeric keys. ENTER key activates the entry
F^ MHz Button	Activates frequency span input by the numeric keys. ENTER key activates the entry
Connection(s)	N(f)
Menu Button	Activates the setup menu. ENTER key activates the entry and return to operate mode
Charging Time	At 15 V AC or 16 - 18 V DC : 6 hours (AC-adapter 230 V AC / 15 V AC included)
Colour	Blue / Metallic Silver
Arrow Buttons	Controls cursor line position. Display indicates cursor frequency and measured value (when selected)
Calibration	Factory made, stored in EEPROM
Dimensions	82 x 165 x 31 mm / 3.22 x 6.49 x 1.22 in.
RS232 (Mini Din)	For factory use only
USB (B Type)	For serial PC communication (future use)
USB (A Type)	For USB Memory Stick
Weight	Approx. 0.5 kg / 1.10 lb.
Hold Button	Holds/starts the sweep
Battery Life	More than 6 hours continuously
Charge Indicator	Red LED, lights by charging.
On Button	Switches ON the instrument. The instrument starts in sweep mode and runs for the auto power-off period when no other buttons are pushed. Switches OFF the instrument when re-pushed
Battery Save	User defined Auto Power Off
Copy Button	Writes the screen contents in HOLD mode to the USB device in .bmp format or .xml format (menu selectable)
Environmental	
Operating temperature range	0 °C to +50 °C
Storage Temperature Range	-30 °C to +50 °C

## ORDERING

Model	Product No.
SWR 4000/EU	240000043
SWR 4000/UK	240000047
SWR 4000/US	240000048
Accessories	
SWR 4000 Accessories Kit	240000044

## ACCESSORIES KIT



Soft Carrying bag. Protective cover for the SWR 4000. Standard coaxial adapter kit. To be ordered separately.

