

SWR 4000

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.
- 230V AC adapter included for charging of the battery.
- Accessory Kit available containing:
 - Soft carrying bag.
 - Standard coaxial adapter kit.
 - Car charger for cigarette lighter connector.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
SWR 4000	240000043
Accessory Kit	240000044

SPECIFICATIONS

ELECTRICAL	
MODEL	SWR 4000
APPLICATION	Measurement of SWR or Return Loss in 50 Ω coaxial transmission lines
IMPEDANCE	Nom. 50 Ω
FREQUENCY	
RANGE	30 – 2700 MHz
CENTRE	Set by user
SPAN	0 to 2670 MHz, set by user
SWEEP	101 points
RESOLUTION	Down to 20 kHz
ACCURACY	50 ppm
MEASUREMENT	
RANGE	SWR: 1.0 to 9.9 Return Loss: 0 to -30 dB
CURSOR RESOLUTION	3 digits
ACCURACY (SWR 1.0-2.0)	30 - 1000 MHz: ±5 % 1000 - 1600 MHz: ±10 % 1600 - 2700 MHz: ±15 %
CALIBRATION	Factory made, stored in EEPROM
TEST PORT	
GENERATOR OUTPUT	Approx. -4 dBm
MAX. ACCIDENTAL INPUT	+20 dBm (100 mW)
RF CONNECTOR	N-female
OPERATING	
ON/OFF 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
FC MHz BUTTON	Activates centre frequency input by the numeric keys. ENTER key activates the entry
FA MHz BUTTON	Activates frequency span input by the numeric keys. ENTER key activates the entry
ARROW BUTTONS	Controls cursor line position. Display indicates cursor frequency and measured value (when selected)
HOLD BUTTON	Holds/starts the sweep
COPY BUTTON	Writes the screen contents in HOLD mode to the USB device in .bmp format or .xml format (menu selectable)
MENU BUTTON	Activates the setup menu. ENTER key activates the entry and return to operate mode
INTERFACE PORTS	
USB (A type)	For USB Memory Stick
USB (B type)	For serial PC communication (future use)
RS232 (mini DIN)	For factory use only

POWER SUPPLY	
BATTERY	4 pcs. rechargeable AA cells 1.2V 2.1Ah
WORKING TIME, FULLY CHARGED BATTERY	More than 6 hours continuously
BATTERY SAVE	User defined Auto Power Off
CHARGER	230VAC/7.5VDC charger (included)
CAR CHARGER	12V/7.5V regulated (in accessory kit)
CHARGING TIME	At 15 V AC or 16–18 V DC: 6 hours (AC-adapter 230 VAC/15 VAC included)
CHARGE INDICATOR	Red LED, lights by charging.
MECHANICAL	
TEMP. RANGE	Operating: 0°C to +50°C Storage: -30°C to +50°C
COLOUR	Silver/blue
DIMENSIONS (W x D x H)	82 mm x 165 mm x 31 mm
WEIGHT	Approx. 500 g (incl. batteries)

ACCESSORY KIT



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



PROCOM A/S reserve the right to amend specifications without prior notice.

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