

SWR 3000

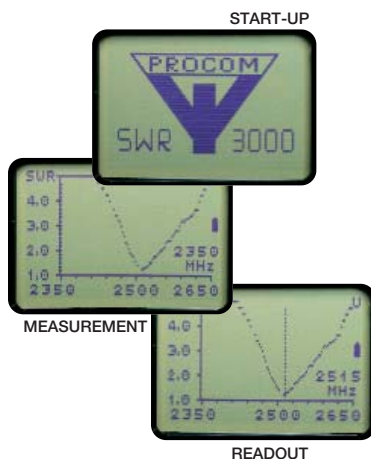
Wide Band SWR-Analyzer with built-in
Signal Generator and Graphical Display

PROCOM



DESCRIPTION:

- ★ Microprocessor controlled, compact, all-in-one SWR-analyzer.
- ★ Covers 30–2700 MHz in one instrument!
- ★ Timesaving – easy, simple and accurate control of antenna installations.
- ★ Logical instrument-operation on a menu-like basis.
- ★ Enter the frequency parameters, push the button and the SWR-curve is shown on the display.
- ★ Easy to change the frequency parameters during measurements.
- ★ Hold-function to facilitate analysis of the SWR.
- ★ Rechargeable battery pack included.
- ★ Built-in NPC (Negative Pulse Conditioning) charger ensures optimum functionality of the battery pack and prevents memory-effect.
- ★ AC-adapter for 230 VAC included (Europlug standard – UK-plug optional, see ordering designations).
- ★ Can easily run a full working day on a fully charged battery pack.
- ★ Indispensable for making quality antenna installations – also on the higher bands.



ORDERING DESIGNATIONS

ADAPTER PLUG-TYPE	TYPE NO.
Europlug	SWR 3000
UK-plug	SWR 3000/UK

ACCESSORIES:

CC2 Carrying case.
Protective cover
for the SWR 3000
– with shoulder straps.
To be ordered
separately.



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

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SPECIFICATIONS:

ELECTRICAL	
MODEL	SWR 3000
APPLICATION	Measurement of SWR in 50 Ω coaxial transmission lines
IMPEDANCE	Nom. 50 Ω
FREQUENCY	
RANGE	30–2700 MHz
CENTRE	Set by user in integer MHz
SPAN	0 MHz or 10–300 MHz
SWEEP	100 steps
RESOLUTION	Down to 100 kHz (depending on span)
ACCURACY	100 ppm
READOUT	Start, Centre and Stop (on Dot Matrix LCD) in sweep mode
MARKER	Is indicated in HOLD mode at 1 MHz resolution
SWR	
RANGE	1 to 5, directivity > 25 dB
ACCURACY (SWR 1.0-2.0)	$\pm 20\%$ 0–50° C (for high definition calibration)
RESOLUTION (SWR 1.0-3.0)	0.1
TEST PORT	
GENERATOR OUTPUT	Approx. -2 dBm, ± 2 dB
HARMONIC AND SPURIOUS	Min. 25 dB below main carrier
MAX. ACCIDENTAL INPUT	+17 dBm (50 mW)
EMI	Do not measure antennas exposed to high field strengths as this will cause inaccurate measurement readings
CONNECTOR	N-female with locked centre
OPERATING	
ON BUTTON	Re-start in sweep-mode for approx. 60 sec. Thereafter 60 sec. in HOLD-mode. Then stand-by mode (turned off)
DISPLAY	128 x 64 steps reflective LCD
KEYBOARD	16 buttons
MARKER FUNCTION	In HOLD mode the marker is a moveable vertical line. The marker frequency is displayed
CALIBRATION (Two modes)	"High definition" calibration with open test port in 10 points over the selected frequency range. "Low definition" calibration with internal reference and offset adjustment (a "U" for "Uncal" is displayed at the upper right corner of the LCD)
BATTERY INDICATOR	A symbol is shown in RUN and HOLD, indicating "Full", "Half" and "Low" battery when capacity is approx. 100–50%, 50–10% and 10–0%, respectively Flat battery is indicated by two "Low" symbols
POWER SUPPLY	
BATTERY PACK	A rechargeable pack of 10 pcs. AA NiMH cells, 1.3 Ah
EXTERNAL	DC source 13.5 V–18 V AC source 15 V 50/60 Hz
POWER CONSUMPTION	Sweep mode 400 mA HOLD mode 120 mA Stand-by mode < 50 μ A
WORKING TIME BATTERY	At 50% Sweep/50% Hold: typical 5 hours
CHARGING TIME	At 15 V AC or 16–18 V DC: 6 hours (AC-adaptor 230 VAC/15 VAC included)
MECHANICAL	
COLOUR	Black with aluminium front plate
DIMENSIONS (W x D x H)	200 mm x 75 mm x 130 mm (Depth incl. handles: 115 mm)
WEIGHT	Approx. 2.0 kg