

# 30 MHz Power Scope SM901



**Two-in-one operation normal mode & differential mode**  
**Differential inputs 1500 V max**  
**Dual Channel DC to 30 MHz, 2 mV**  
**Time base 20 ns – 0.2 s : variable hold off 10:1, x10 mag**  
**Triggering DC – 50 MHz 1 div typ.**  
**Component tester, 2 level Calibrator**  
**Overscan indicator**  
**Frequency Counter 40 MHz**

## TECHNICAL SPECIFICATIONS

### Operating Modes

Normal & Differential CH I, CH II, CH I & CH II, ALT, CHOP, ADD, DIFF, XY

### Vertical Deflection

Deflection coeff. 5 mV/div - 20 V/div, Variable upto 2 mV/div  
 Accuracy  $\pm 2\%$   
 Bandwidth 30 MHz (-3 dB)  
 Rise time 11.6 ns (approx.)  
 Input coupling DC-AC-GND  
 Differential Mode Attenuation 1:20, 1:200  
 Input Impedance Normal : 1 M  $\parallel$  25pF  
 Differential Mode : 4 M  $\parallel$  1.2pF  
 Input Voltage Normal : Max. 400 V (DC+ACpeak)  
 Differential Mode: Max. 1500V(DC+AC peak)

### Time base

Time base Coefficients 0.5  $\mu$ s/div - 0.2 s/div  
 Accuracy  $\pm 3\%$   
 Hold-Off Time Variable control 10:1  
 Sawtooth Output 5 Vpp (approx.)

### Trigger System

Modes Auto, Normal  
 Source CH I, CH II, Line, External  
 Coupling AC, DC, HF, LF  
 Slope Positive or Negative  
 TV Sych. Active TV sync separator  
 Sensitivity Auto, level & Ext. 0.5 div (5 mm) 20 Hz – 40 MHz

### Horizontal Deflection

Deflection Coefficients same as CH II  
 Bandwidth DC - 3 MHz (-3 dB)  
 Input Impedance 1 M  $\parallel$  25 pF  
 X-Y Phase Shift  $< 3^\circ$  upto 100 kHz

### Digital Frequency Readout

Range 10 Hz to 40 MHz  
 Display 5 digit, Seven Segment LED

### Component Tester

Test Voltage Max 8.5 Vrms (open)  
 Test Current Max 8.5 mA rms (shorted)  
 Test Frequency 50 Hz (line freq.)  
 Continuity Tester Continuous beep when  $< 100$

### General Information

CRT 140 mm rectangular flat face with internal graticule and mumetal shielding  
 Z-Modulation TTL level  
 Calibrator Sq. wave 0.2 & 2 V,  $\pm 1\%$ , 1 kHz  
 Power Supply 220 – 240 V AC  $\pm 10\%$ (max.) 50 Hz,  
 Operating Temperature 0-40°C, 90% RH  
 Dimension (mm) W : 285, H : 170, D : 380  
 Weight 10 kg approx.




### Accessories





Standard Accessories BNC - BNC cable : 1 no. ;  
 Detachable mains cord : 1 no. ;  
 Operating Manual : 1 nos.






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