



**2 Year
Warranty**

ST107 is a low line portable Oscilloscope with outstanding features and performance, ideally suited for field and laboratory applications. Stabilized DC voltages and LPS trigger gives sharp and stable displays upto 30MHz. The unique built- in Component Tester facility for continuity checks and in-circuit testing of active and passive components like resistors, capacitors, Diodes, ICs, MOSFETs, UJTs, etc. makes **ST107** very efficient and cost effective in-service applications. Trace rotation facility aligns the trace properly in any location. The gratulice is marked in convenient 8 x 10 div. Line Trigger of **ST107** makes it very useful in power applications.

Applications

- In the field for installations & testing of electrical & electronic systems
- Production Line Testing
- Servicing of Electronic Instruments

Technical Specifications

VERTICAL DEFLECTION (Y)
Bandwidth : DC-10MHz(-3dB)*
or
DC-15MHz (-3dB)**

Risetime :35ns*/24ns**(approx.)

Deflection coefficients :
12 calibrated steps
5mV/div - 20V/div (1-2-5
sequence)

Accuracy : ± 3%

Input Impedance : 1MΩ ||25pF
(approx.)

Input coupling : DC-AC-GND

Input voltage : Max. 500 V (DC
+ Peak AC)

TIMEBASE

Time coefficients : 18 calibrated
steps, 0.5 μs/div - 0.2 s/div (1-2-
5 sequence) with variable control
to 0.2 μs/div

Accuracy : ± 3% (in cal position)

TRIGGER SYSTEM

Modes : Auto / Normal (Variable
Trigger level)

Slope : Positive or Negative

Coupling : AC, line

Trigger Bandwidth :

2 Hz -30 MHz

Trigger Sensitivity : int. 5 mm

HORIZONTAL DEFLECTION (X)

Bandwidth : 1 Hz-1 MHz(-3 dB)

Deflection Sensitivity:

0.6 V/div (approx.)

Input : AC coupled

1 MΩ || 35 pF (approx.)

COMPONENT TESTER

Test Voltage : Max 8.6 Vrms
(Open)

Test Current : Max 5 mArms
(Shorted)

Test Frequency : 50Hz

Test Connections : 2 banana jacks
4mm. One test lead is grounded
(Safety Earth)

General Information

Cathode Ray Tube : 70mm
medium short persistence (P-31)

Accelerating potential : 1400 V

Display : 8x10 div (6mm)

Trace rotation : Adjustable on front
panel

Calibrator : Squarewave generator
1 kHz (approx.) , 0.2 V± 10% for
probe compensation

Stabilised Power Supply :All
operating voltages including EHT

Mains Voltage:

220-240 VAC±10%, 50 Hz

Power Consumption :

28VA(approx)

Operating Conditions : 0-40 °C,
RH 95% at 40°C

Dimensions (mm) : W212-H114-
D283

Weight : 4.5 Kg(approx.)

Finish : Off White with handle

Accessories Supplied

Manual, Test Prods, BNC - BNC

Cable, BNC - Test Cable

Optional Accessories

Switchable Probe, Carrying Case

* For 10 MHz Model

** For 15MHz Model

Subject to change

DC - 10 /15MHz Bandwidth

Fully calibrated & triggered

Stable Triggering up to 30 MHz

X-Y Operation

Built-in Component Tester

Line trigger

Trace Rotation

Truly portable (4½" high, 4.5 Kgs)

Test Patterns (Component Tester)

Capacitor 33μF Transistor E-C Transistor B-E BE 1μF + 68Ω



Sciencetech Technologies Pvt. Ltd.

94-101, Electronic Complex, Pardesipura Indore - 452 010 INDIA.

Ph. 91-731-2556638, 5032286,2576472, Fax : 91-731-2555643

E-mail: info@sciencetech-india.com Web : www.sciencetech-india.com