

GENERAL SPECIFICATIONS

This oscilloscope is small and of light-weighted. It has the function of B delay sweep and has the following features:

- Wide frequency range: DC-60MHz -3dB.
- High sensitivity: 1mV/DIV (x5 MAG).
- In ALT (A and B alternately sweeps) mode, four traces are displayed.
- Fast sweep rate to 5ns/DIV by magnifying 10.
- The function of B TRIG'D can decrease the delay shrinking.
- Hold-off function makes it easier to catch the complex triggering signals.

Accessories

The standard accessories supplied are as follows:

| | | | |
|-----|--------------------|-------|---|
| (1) | Oscilloscope | | 1 |
| (2) | Probe | | 2 |
| (3) | Power cord | | 1 |
| (4) | Instruction manual | | 1 |
| (5) | Spare fuses | | 2 |

TECHNICAL SPECIFICATIONS

Vertical system

CH1 & CH2 sensitivity 5mV/div~5V/div, 1-2-5 steps, 10 div (scale)
(1mV/div~1V/div at x5MAG)

Accuracy x1: ± 5%, x5: ±10% (room temperature)

Variable vertical sensitivity More than 2.5 times of the indicated sensitivity value

Frequency bandwidth 5mV/div DC:DC~60MHz -3dB
AC:10Hz~60MHz -3dB

Expand frequency bandwidth 1mV/div DC:DC~7MHz -3dB
AC:10Hz~7MHz -3dB

Overshoot ≤ 5%

Rising time About 6ns

Input impedance 1MΩ ±2%,25pF ±3pF by probe 1MΩ±5 about 17p

Max. input voltage 400V (DC+AC P-P)

Input coupling system AC-GND-DC

Working system CH1:only CH1 working CH2:only CH2 working
ADD:CH1 & CH2 adding
Dual :sync display CH1 & CH2

Inversion Only CH2

Sweep mode x1, x10; x1, x 10 alt

Sweep time 0.1us~0.2s/div ±5% 1-2-5 steps ,20 div

Sweep expand 20ns/div~20ms/div

Alt expand sweep Max. four traces

Trace division variable ≤ 1.5div

Trigger system

Trigger mode Auto, normal, TV-V,TV-H

Trigger signal source INT,CH2,line ,ext.

Polarity +,-

Coupling system AC coupling

Sensitivity

| | Frequency | Int. | Ext. |
|-----------------|------------|-------|------|
| Normal | 10Hz~60MHz | 2div | 0.3V |
| Auto | 20Hz~60MHz | 2div | 0.3V |
| TV sync. | Int. | 1div | |
| | Ext. | 1Vp-p | |



X-Y mode

Working mode

In X-Y mode ,CH1 equal to X axis, CH2 equal to Y axis.

Sensitivity

Same as Y axis

Input impedance

1MΩ±2% || 25pF±3pF

X axis bandwidth

DC~1MHz

Phase

≤ 3°(DC~50kHz)

Z axis

Input impedance

33kΩ

Max. input voltage

50V (DC+AC P-P),max. AC 1kHz

Bandwidth

DC~1MHz

Input signal

±5V(reverse increasing intensity)

Calibration

Frequency 1kHz±2%

Output level 0.5V (±2%)

Duty ratio =48:52

CH1output

Output voltage Max. 20mV/div

Output Impedance About 50Ω

Bandwidth 50Hz~5MHz(-3dB)

Power supply

Power supply AC:220V±10%

Frequency 50Hz±5%

Consumption 35W

CRT

Item 15SJ118Y41

Acceleration -1.9kV

Efficient working area 8div(vertical)×10div(horizontal)

Environmental

Working temperature 0°C ~ 40°C

Working humidity 20% ~ 90%

Optimal working temperature 10°C ~ 35°C

Optimal working humidity 45% ~ 85%

Optimal storage temperature -20°C ~ 70°C

Optimal storage humidity 35%~85%
(temperature more than 50? & humidity less than 70%)

Physical features

Dimensions (in mm)

| | | |
|---------------|--------------|---------------|
| Height | Width | Length |
| 132(H) | 321(W) | 376(D) |

Weight About 7.2kg

*Technical Specifications & Appearance are subject to change without prior notice