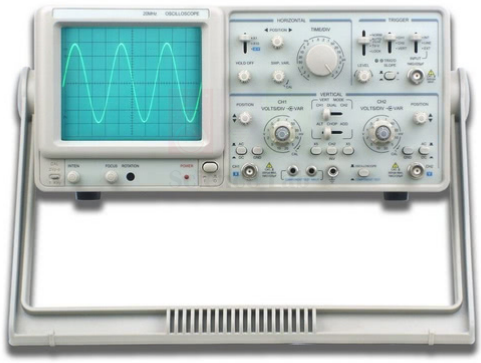
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Oscilloscope Dual Trace

Product Code :

SLE/PHY/131



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Oscilloscope Dual Trace (Product Code: SLE/PHY/131) is a 20MHz dual-channel cathode ray oscilloscope used to display and compare electrical waveforms in school, college and electronics laboratories. Both independent channels offer 5mV/div sensitivity, and a 6-inch rectangular CRT with red internal graticule, X-Y mode and algebraic addition and subtraction make it a versatile teaching CRO; a microphone is included for sound-wave work. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Bandwidth and channels	20MHz, dual channel, CH1 and CH2 independent
Vertical sensitivity	5mV/div on both channels
Display	6-inch rectangular cathode ray tube with red internal graticule
Time base	High-speed sweep; maximum sweep time 0.2 µs/div, 20 ns/div when magnified by 10
Trigger	Alternate trigger function for observing two waveforms of different frequency
Operating modes	X-Y; algebraic addition and subtraction
Signal output	CH1 signal output
Accessory	Microphone included
Product code	SLE/PHY/131
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Dual Trace Oscilloscope Used For?

In a physics or electronics laboratory the dual trace oscilloscope makes invisible signals visible. Students measure the amplitude and period of AC waveforms, compare the input and output of a circuit on the two channels, and use X-Y mode to form Lissajous figures for frequency and phase comparison. With the included microphone, sound from a tuning fork or loudspeaker appears as a trace they can measure.

The alternate trigger holds two signals of different frequency steady at the same time, and addition and subtraction of the channels demonstrate superposition. Set the trigger level first, begin on a less sensitive volts/div setting and increase it until the trace fills the screen. It fits wherever a CRO oscilloscope is part of the electronics or wave-physics syllabus.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab from Ambala, Haryana, supplies the Oscilloscope Dual Trace as a sourced test instrument. We supply it to schools, colleg e it along comp