

MAKERS OF WIDE RANGE OF OSCILLOSCOPES, D. V. M. S. D. P. M. S. SIGNAL GENERATORS, F. E. T. INPUT MULTIMETERS, POWER SUPPLIES, AND OTHER CUSTOM MADE ELECTRONIC INSTRUMENTS.



ISO 9001 : 2000

Ø DS 419 SINGLE TRACE 15 MHz OSCILLOSCOPE

Ø **Salient Features:**

1. 15 MHz at 5 mV, component-testing facility.
2. Line & External Trigger facility.
3. 200 mV *peak-to-peak* calibrator 10 x 8 DIV.
4. Graticule Area (1 DIV= 0.6 cm)
5. Completely solid-state & portable model.

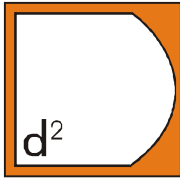


DS419

INTRODUCTION:

D'SQUARE INSTRUMENTS' MODEL **DS 419** is 15 MHz solid-state portable unit with capabilities of a full-fledge triggered oscilloscope in a compact form. Its lightweight and extreme portability makes it ideally suited to the needs of laboratory, industry and academic institutions.

The vertical systems provides calibrated deflection factors from 5mV/div. to 20 V calibrated steps selectable in 1,2,5 sequence. The trigger circuit provides stable display. Triggering signal can be internal, external or line frequency and with positive and negative slopes. The horizontal system provides calibrated sweep rates from 0.2 sec/DIV to 0.5 uSec/DIV in 18 calibrated steps selectable in 1,2,5 sequences. A continuously variable uncalibrated operating sweep control between the steps extends fastest speed to 0.2uSec/DIV approx. The horizontal amplifier provides a deflection factor of 0.5V/DIV approx. with a bandwidth of DC to 500 KHz.



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VERTICAL DEFLECTION (Y- AXIS)	
BAND WIDTH	DC TO 15 MHz (-3DB)
RISE TIME	23 nSECS APPROX.
OVERSHOOT	3%
DEFLECTION COEFFICIENT	5mV/DIV. TO 20 V /DIV. IN 1,2,5
INPUT IMPEDANCE	1MEGA OHMS. // 35 PF.
INPUT COUPLING	AC/DC/GROUND
MAX INPUT VOLTAGE	400 V (DC + AC PEAK)
HORIZONTAL DEFLECTION (X- AXIS)	
5μ SEC/DIV TO 0.2 SEC/DIV IN 18 STEPS OF 1,2,5 SEQUENCE.	
SWEEP RATE VARIABLE SWEEP	EXTENDS FASTEST SWEEP TO APPROX. 0.2mSEC/DIV
TRIGERRING SYSTEM	
SOURCE	INTERNAL, LINE, EXTERNAL. .
SLOPE	POSITIVE OR NEGATIVE.
MODE	AUTO AND NORMAL TRIGGER
SENSITIVITY	1 V PTP FOR EXTERNAL TRIGGER, 1 DIV MIN FOR INTERNAL TRIGGER
HORIZONTAL AMPLIFIER	
BAND WIDTH	DC- 500 KHz
DEFLECTION COEFFICIENT	0.5 V / DIV.
INPUT IMPEDANCE	1MEG. / 40 PF.
GENERAL INFORMATION	
CATHODE RAY TUBE (CRT)	FLAT FACE RECTANGULAR, 6 X 5 CMS.
ACCELERATING VOLTAGE	1.5 KV APPROX
CALIBRATOR	200 mV (PEAK TO PEAK) SQUARE WAVE
POWER	230 V, 50 Hz, 40 VA APPROX.
WEIGHT	4 KG. APPROX.
DIMENSION (H X W X D)	215 MM X 115 MM X 275 MM
NOTE: WE RESERVE THE RIGHT TO ALTER THE SPECIFICATIONS FOR IMPROVEMENT OF THE PRODUCT.	