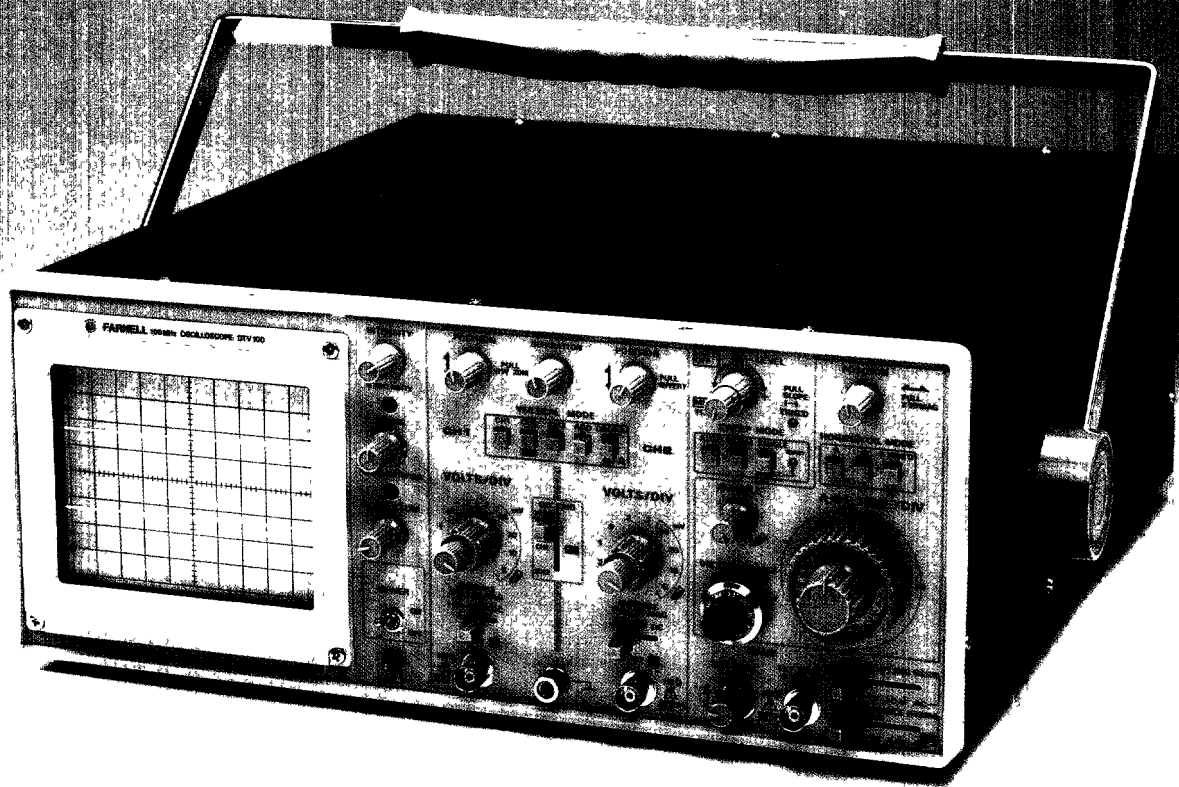




The 100MHz Analogue Oscilloscope – DTV100

100MHz analogue bandwidth

3 channels, 8 traces

1mV sensitivity

Delayed timebase

Variable trigger hold off

Single sweep mode

XY mode and Z modulation

TV trigger

Illuminated graticule

14kV PDA

The DTV100 oscilloscope offers 100MHz analogue bandwidth, 3 channels and 8 traces. Sensitivity is 1mV and comprehensive triggering facilities are provided. Coarse and fine controls are provided for sweep and gain control and there are facilities to add, invert, chop and alternate the display. A fully calibrated delayed timebase is featured allowing A to be intensified by B, A or B alternately and B starting after set delay or triggered after delay. The high potential post deflection accelerator gives a bright, clear trace even with high speed, low repetition input signals. A fast timebase and a third input channel makes this a versatile oscilloscope ideal for R and D, test, inspection and service applications.

... from



INCORPORATING WAYNE KERR INSTRUMENTS

SPECIFICATION

Vertical Deflection (two identical channels)

Bandwidth (-3dB) DC: DC to 100MHz.

AC: 10Hz to 100MHz

Sensitivity 5mV/div to 5V/div in 1-2-5 step

1mV/div to 1V/div with x5 magnifier.

Accuracy $\pm 3\%$ (normal) $\pm 5\%$ (x5 mag)

Risetime 35ns

Input impedance 1M Ω /30pF approx

Coupling AC, GND, DC

Max. input 400V (DC+AC peak)

CH3 (external input used in common)

Sensitivity 0.1V/div to 1V/div

Accuracy $\pm 3\%$

Bandwidth DC: DC to 100MHz

AC 10Hz to 100MHz

Coupling AC, AC-LF, TV, DC

Max. input 100V (DC+AC peak)

Horizontal deflection

Display mode A, ALT, B, B TRIG'D

A SWEEP

Sweep mode AUTO, NORM, SINGLE

Sweep time 0.2 μ s/div to 0.5s/div (1-2-5 step)

Hold off time 2 times or over 0.05ms to 10ms/div

Sweep time accuracy $\pm 3\%$ (normal)

$\pm 5\%$ (x10 mag)

B SWEEP

Delay system cont. delay, trigger delay

Sweep time 0.2 μ s/div to 0.5 μ s/div (1-2-5 step)

Sweep time accuracy $\pm 3\%$ (normal)

$\pm 5\%$ (x10 mag)

Delay time 0.5 μ s/div to 50ms/div

Triggering

Display mode CH1, CH2, Vertical

Source INT, LINE, EXT, EXT - 10

Coupling AC, AC-LF, TV, DC

Sensitivity DC to 10MHz: 0.4 div

10Hz to 100MHz 2 div Video 2 div

Input impedance 1M Ω /30pF approx

Max. input 400V (DC+AC peak)

Z axis

Input voltage 3V pk-pk

Bandwidth DC to 5MHz

General

CRT 8 x 10 divisions 14kV PDA

Calibration voltage 1V pk-pk $\pm 2\%$

1kHz $\pm 20\%$ squarewave

Power 100/117V or 220/240VAC, 50/60Hz, 40W

Mechanical 146H x 360W x 380D mm 10kg

ORDER/CODE/ACCESSORIES

19DTV100 DTV100 Oscilloscope

15DTPROBE Passive probe kit (supplied)

15DVTMUFF Carry bag

Represented by:

Design developments may result in specification changes

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