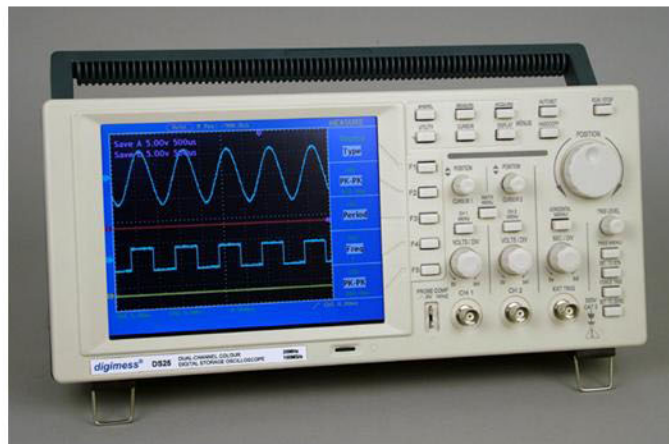


DS25 Colour 25MHz digital oscilloscope

digimess® concept

CE



The **digimess®** DS25 is a general purpose 25MHz bandwidth, 2 channel 100MS/s, colour digital storage oscilloscope. This compact and light weight unit (optional battery pack) features a large 7.8 inch colour STN LCD display with 640 x 480 resolution and 256 colours. The specification includes a sampling rate from 10S/s to 100MS/s (12.8GS/s max equivalent), 8 bit vertical resolution, Auto-setup and Auto-calibration. Up to 4 waveforms can be stored and a USB interface is fitted as standard. The oscilloscope is supplied with two X1/X10 probes, USB lead, PC software, mains lead and manual.

Specification

DISPLAY Screen Resolution Type Persistence Waveform interpolation Format Zoom INPUT Coupling Impedance Max input voltage Channel delay time (typical) Probe attenuation coefficient DATA ACQUISITION Real time sampling rate Equivalent sample rate Sampling modes Average HORIZONTAL Sampling range Record length Time base range Sample rate /delay time accy Time interval (T) measurement accuracy full bandwidth VERTICAL A/D converter Sensitivity Displacement range Analogue bandwidth Single bandwidth Low frequency response Rise time DC gain accuracy DC measuring accuracy average sampling mode	7.8 inch Colour STN LCD 640 x 480, 256 colours Dots or vectors Off, 1s, 2s, 5s, infinite Sin (x)/x YT and XY Expands window to full size between 2 cursors DC, AC 1MΩ ± 2%, 20pF ± 3pF 300V (peak) CAT II 150ps X1, X10, X100, X1000 100MS/s max per channel 12.8GS/s max per channel Sample, Peak Detection, Average 4, 16, 64, 128 10S/s - 100MS/s 6k points per channel 5ns/div - 5s/div, 1-2-5 steps ± 100ppm for any time interval ≥ 1ms Single: ± (1 sample time int + 100ppm x reading + 0.6ns) >average 16 : ± (1 samp int + 100ppm x reading + 0.4ns) 8 bit resolution, 2 channel 5mV/div - 5V/div ± 10div (5mV/div - 5V/div) 25MHz Full bandwidth ≥ 5Hz AC coupling -3dB ≤ 17.5ns ± 5% ± 5% reading + 0.05 divs after averaging more than 16 times	TRIGGER Trigger source Trigger mode Trigger coupling Trigger sensitivity (Edge triggering) Trigger level range Trigger level accuracy (for signals with rise/fall times ≥ 20ns) Trigger displacement Trigger sensitivity (video & typical mode) Video triggering X/Y MODE X axis Y axis PROBE COMP SIGNAL Output voltage Frequency MEASUREMENT Cursor Auto WAVEFORM MATHS Function GENERAL Power supply Battery (optional) Power consumption Working temperature Relative humidity Weight Dimensions (W x H x D) ORDER INFORMATION HUC75-00 DS25 HUC75-10 DS25-BATT	CH1, CH2, EXT, EXT/5, Auto, Norm, Single, Edge, TV AC, DC, HF Rej, LF Rej DC coupling : CH1 & CH2: 1div, EXT: 0.1V, EXT/5: 0.5V AC coupling 1 div for >50Hz INT: ± 6 divs from screen ctr, EXT: ± 600mV, EXT/5: ± 3V INT: ± 0.3divs, EXT: ± (40mV + 6% of set value) EXT/5: ± (200mV + 6% of set value) 655 divs for pre-trig and 4 divs for post-trig INT: 2 divs of pk-pk value, EXT: 400mV, EXT/5: 2V Supports PAL, NTSC and SECAM for any field or line CH1/CH2 5V 1kHz square wave Voltage difference (ΔV) and time difference (ΔT) Pk-pk value, average value, rms value, freq and period CH1-CH2, CH2-CH1, CH1+CH2 100-240Vac rms 50/60Hz 7.4V lithium rechargeable < 15W 5 - 40C 20 - 80% 1kg 350 x 157 x 120mm 25MHz colour scope 25MHz colour scope with battery option fitted
--	--	--	---