Technical specifications	DOX3104 / DOX3304
Interface	
Screen	Colour 8' TFT LCD screen, 800 x 480 pixels, 24 bits Adjustment of brightness and contrast (500:1)
On-screen display	On 8x14 div with 4 channels + reference + Math functions and statistics table – full screen – Vector or point modes with interpolation, permanent SPO mode: normal or colour
Language	French, English, Italian, Spanish and German - Help in French/English
Vertical deflection	
Time base speed	100 MHz / 300 MHz Bandwidth limit: 20 MHz
No. of channels	4 channels + 1 external channel
Max. input voltage	300 V (DC+AC Pk)
Vertical sensitivity	12 ranges from 2 mV to 10 V/div – Accuracy ±3% – 8-bit resolution
Rise time	< 3.5 ns (DOX3104) / < 1.2 ns (DOX3304)
Probe compensation factors	x 1 / 5 / 10 / 20 / 50 / 100 / 200 / 500 / 1,000
Horizontal deflection	
Time base speed	1 ns/div to 50s/div (oscilloscope)
Max. no. of traces captured per second	110,000 traces/s
Horizontal zoom	Compression, expansion
Automatic ROLL mode	From 100 ms/div to 50 s/div (1-2-5 step)
Trigger system	
Sources/Mode	CH1, CH2 or CH3, CH4 Ext, Ext/5, AC line / Auto, Normal, One-shot
Type	Edge, Pulse (20 ns to 10 s), Amplitude (rise time, fall time), Video (NTSC, PAL, SECAM, HD and custom), Windows, Interval, Dropout, Runt, Pattern
Trigger on serial bus and Decoding	I2C, SPI, UART/RS232, CAN, LIN
MSO logic analyser input	Option: 8 channels + clock for TTL/CMOS/LVCMOS3.3 and LVCMOS2.5/CUSTOM signals
Acquisition	
Real-time sampling rate	ETS: 2GS/s
Vertical resolution	8 bits (vertical resolution 0.4%)
Acquisition depth	Up to 28 M: 14 Mpts per channel, adjustable: 7 k / 14 k / 70 k / 140 k / 700 k / 1.4 M / 7 Mpts
File manager	Trace files (DAV proprietary format and Excel-compatible ".CSV" format) .SET configuration files – .BMP screenshot files
Acquisition	Normal, Peak detect, Average, High res.
Display format	Y(t), Zoom, Roll, X-Y
"Statistics" mode	Measurement of events
Other functions	
AUTOSET	AUTO adjustment: amplitude, time base and trigger
MATH function	Trace calculated in real time: CH1, CH2, CH3, CH4, + , - , x , / , (d/dt), integral (∫dt) and square root (√)
FF analyser	FFT calculated on 1,024 points - simultaneously with the waveform for the 4 channels Adjustable windowing: rectangular, Hamming, Hanning, Blackmann
Cursors	Manual, Track mode and Auto
PASS/FAIL	Pass/Fail mode with specific terminal for envelope adjustment
Automatic measurements	32 measurements and statistics table
Built-in 25 MHz function generator	25 MHZ- 125 MS/s - 14 bits - arbitrary function generation with EasyWave on PC
General specifications	
Recording	Internal storage or USB flash drive on front panel
Printing	Via USB Device (PictBridge)
Communication on PC	Via USB device or Ethernet link with EASYSCOPE (OX) and EASYWAVE (GX) software
Power supply	Universal 100-240 V / 45-440 Hz/ 50 VAmax with removable cable
Safety / EMC / Locking	Compliant with the IEC 61010-1 standard, 300V CAT I - EMC as per EN61326-1 - Kensington lock
Temperature	Use: 0°C to +40°C, Storage:-20°C a +60°C
Mechanical specifications	352 x 111 x 224 mm – 3.6 kg (4 channels) – IP20 – 3-year warranty