

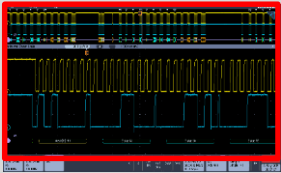
3 Series MDO vs. MDO3000 Series

COMPARISON FACT SHEET

Screen Size and Waveform Viewing Area

3 Series MDO

11.1" waveform viewing area



11.6" **67% more area**
HD 1920 x 1080 **More than 2X**

MDO3000 Series

8.3" waveform viewing area



9"
VGA 800 x 480

Next-Generation User Interface

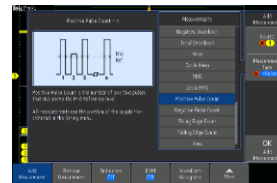
3 Series MDO

- **Pinch, swipe, tap capacitive touchscreen**
- Change position or scale by pinching or dragging, or with knobs
- To change settings, just **double tap the readout**



MDO3000 Series

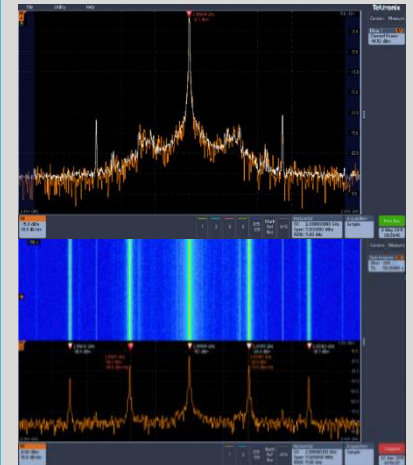
- Front panel buttons with bottom- and side-bezel buttons
- Change position or scale with knobs
- To change settings, press the front-panel button. Use bezel buttons to change settings



Unique Built-in Spectrum Analyzer

3 Series MDO

- **Free 1 GHz hardware spectrum analyzer on all models for IoT and EMI tests**
- **Optional 3 GHz spectrum analyzer**



MDO3000 Series

- Free hardware spectrum analyzer up to scope analog bandwidth
- **Optional 3 GHz spectrum analyzer**

Lower-Noise Pre-amp - Random Noise

3 Series MDO (typical)

100 MHz

98 μ V

200 MHz

111 μ V

MDO3000 Series (typical)

161 μ V

178 μ V

New Industrial Design

Probe-friendly
channel
spacing

Small
footprint



LED function
indicators

3 USB host
+ HDMI
ports

No-collapse
feet

3 Series MDO vs. MDO3000 Series

COMPARISON FACT SHEET



Key Specifications Comparison		
	Tektronix 3 Series MDO	Tektronix MDO3000 Series
Channels	2 or 4	
Bandwidth	100, 200, 350, 500 MHz or 1GHz, upgradable	
Max. Analog Channel Sample Rate (All channels on)	2.5 GS/s or 5 GS/s	
Max. Record Length (All channels on)	10 Mpoints	
Digital Channels	16 (optional)	
Integrated Spectrum Analyzer	RF hardware based 9 kHz to 1 GHz (Standard) or 3 GHz (optional)	RF hardware based 9 kHz to analog BW (standard) or 3 GHz (optional)
Integrated Arbitrary Waveform Generator	50 MHz (optional)	
Serial Trigger and Analysis	Optional: I ² C, SPI, RS232/422/485/UART CAN, CAN-FD, LIN, FlexRay, MIL-STD-1553, I ² S/LJ/RJ/TDM, USB	
Standard Probes	TPP0250 for 100MHz/200MHz, TPP0500B for 350MHz/500MHz and TPP1000 for 1GHz models	
Display	11.6-inch, HD 1920 x 1080	9-inch, VGA 800 x 480
Capacitive multi-gesture touchscreen	Yes	No
I/O Ports	USB 2.0: 3 host ports + 1 device port LAN HDMI Video	USB 2.0: 2 host ports + 1 device port LAN VGA Video
Footprint	85 in²	95 in ²