T3DSOH1000 / T3DSOH1000-ISO Fact Sheet

Handheld Oscilloscope

TELEDYNE TEST TOOLS
Everywhere**you**look™

100 MHz/200 MHz, Isolated, CAT III
Dedicated 6000 Count DMM
Data logger 1 Sa/s to 25 kSa/s

Multifunctional tool suitable for harsh environments

- 1000-ISO series offers two independent floating isolated inputs.
  - ✓ Ideal for simultaneous measurement of independently floating signals and to reduce accidental short circuits.

- Large bright 5.6-inch TFT-LCD display with 640 * 480 resolution.
  - ✓ Large bright display makes it easy to view data in the field.

- IP51 rated dust and drip-proof housing.
  - ✓ Safety rated for industrial environments.

- **Long Capture** – 6 Mpts/Ch and 12 Mpts interleaved.
  - ✓ Capture more time and show more waveform detail.

- **True-RMS measurements** – All AC Voltage and Current ranges give True-RMS readings.
  - ✓ Excellent accuracy regardless of the waveform shape.

- Serial Bus Decoders for I^{2}C, SPI, UART, CAN, LIN as standard.
  - ✓ Debug serial buses directly in your Oscilloscope at no extra cost.

- 3 Years Warranty as standard.
  - ✓ Reliable product gives peace of mind.

Key Specifications

Bandwidth	100 MHz and 200 MHz Bandwidth models
Channels	Oscilloscope inputs CAT III 600 V/CAT II 1000 V Isolated channels
Memory	Up to 12 Mpts of Acquisition
Sample Rate (Max)	1 GSa/s (single channel), 500 MSa/s (two channels)
Display	5.6-inch TFT LCD
Connectivity	Isolated USB Host, USB Device (MicroUSB – TMC)

For more information, please contact:

AUTHORIZED DISTRIBUTOR
TELEDYNE LECROY
Everywhere**you**look

The T3DSOH offers versatile functionality
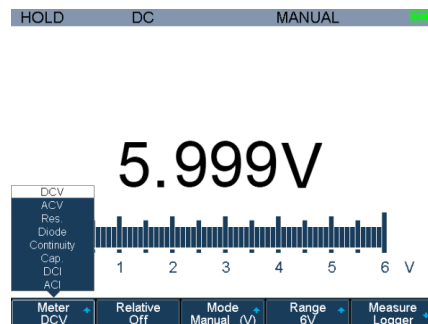

Robust design

- UL2054 certified lithium battery pack, 6900 mAh capacity, external charger
- Rubberized surface with large keys makes it easy to use with gloves
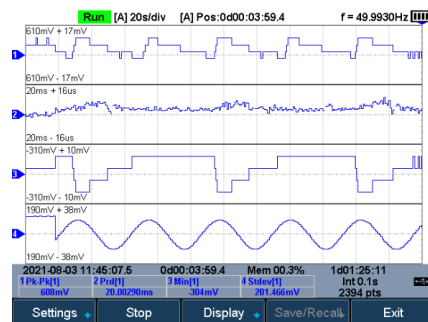- Sealed IP51 dust and drip-proof housing

True RMS Digital Multimeter

- CAT III 600 V/CAT II 1000 V rated isolated inputs
- 6000 counts Digital Multimeter supports DCV, ACV, DCI, ACI, Resistance, Diode, Capacitance, Continuity test.
- True RMS AC Voltage/Current measurement multimeter
- Included current adaptors helps in current measurement up to 10 A

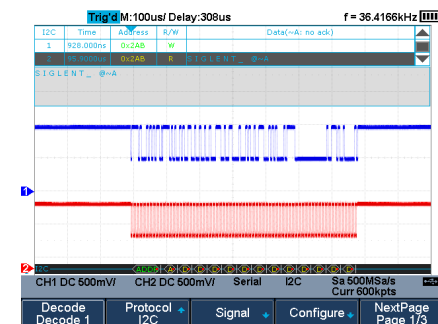| 1	6000 Counts Digital Multimeter

6000 count digital multimeter featured function of DCV, true RMS ACV, DCI, ACI, Diode, Resistance, Capacitance, and Continuity.
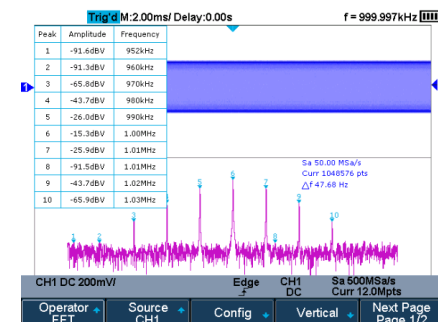
3	Measurement Logger

The measurement Logger is the mode of logging the measurement value for a long time. If the amount of measurement data is relatively small, to process quickly, the data is logged in memory. After stopping logging, the data can be saved into the internal flash or external U disk.

2	Serial Bus Decoding Function

The T3DSOH displays thedecoding through the events list. Bus protocol information can be quickly and intuitively displayed in a tabular format.

4	1 M points used to calculate the FFT

The new math co-processor enables FFT analysis of incoming signals using up to 1 M samples per waveform. This provides high-frequency resolution with a fast refresh rate. The FFT function also supports a variety of window functions so that it can adapt to different spectrum measurement needs. Support Peaks, Markers, a variety of numbers.