

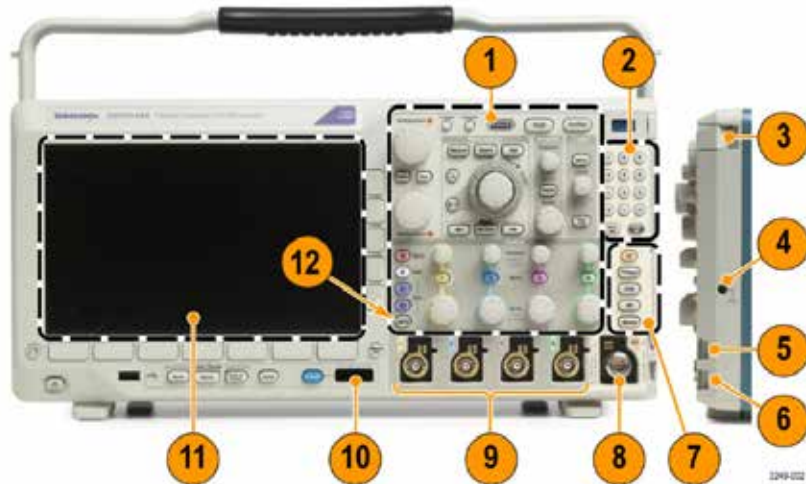
# 1 MDO3104 QUICK REF MANUAL

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This note provides only brief information on most used features. For complete details, refer to the User Manual.

## 1.1 FRONT PANEL OVERVIEW

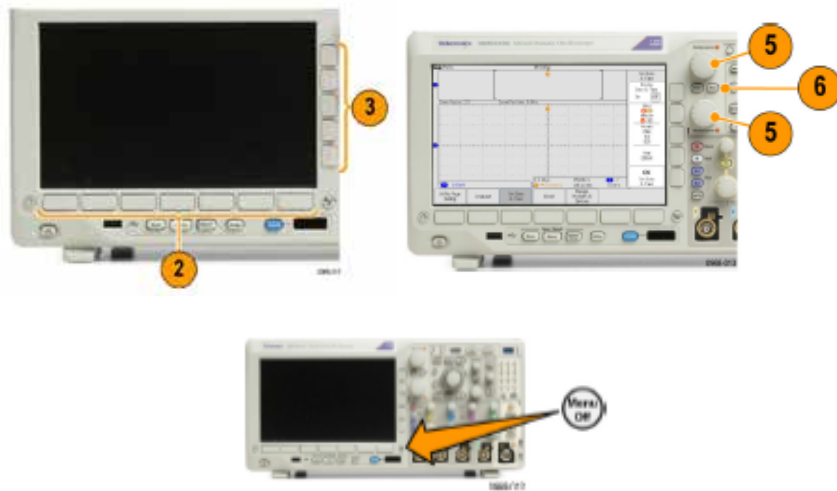
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|--------------------------|--|
| 1. Front panel           | Self-descriptive typical oscilloscope controls.                                    |
| 4. Ground                | Use to ground ESD mats or wrist bands.   |
| 5. Ground                | To test ground on probe  |
| 6. Probe Comp            | To test & calibrate probe with 2.5V / 1 KHz square waveform                        |
| 9. Analog input channels | Connect probes here.   |
| 12. AFG Enable           | Arbitrary Function Generator enable. ( <u>The connector is on the back side!</u> ) |

## 1.2 MENU BUTTONS

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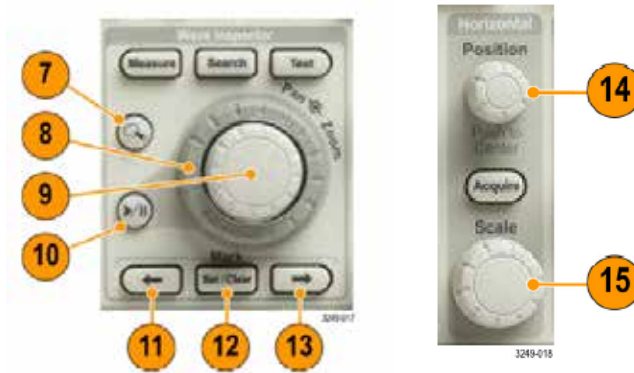


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|-----------------------|--|
| 1. Menu Selection:    | Use <u>lower(2) and side menu(3) buttons</u> , along with the <u>two knobs(5)</u> , to make selection. |
| 2. Clear menu screen: | Press the <u>Menu-off</u> button. (Next to Analog input / Channel #1)                                  |

## 1.3 FRONT PANEL SELECTORS

- Measure To take readings on your waveform
- [Autoset](#) Automatically selects the best settings for your applied signal.
- Trigger Menu For trigger setup.
- Math Math function on multiple input waveforms
- Channel Menu Push to [turn on/off a channel](#). Also shows menu options.
- Cursors Turns on/off cursors. Keep pressed to bring up menu.
- Select To select between vertical or horizontal cursors etc.
  
- Multipurpose Knobs A/B *Move a cursor, choose from multiple values.* Can be used with the *Fine* button.
- Intensity Knob A for waveform intensity, knob B for graticule intensity.

## 1.4 HORIZONTAL SCALING

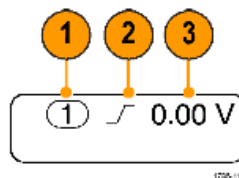


- 7. Zoom To activate horizontal waveform zoom function.
- 8. Pan (Outer knob) Scroll the zoomed in window, in the acquired waveform.
- 9. Zoom Scale To *zoom-in or out* of the panned waveform.
- 10. Play-pause Push to start/stop, automatic panning of acquired waveform.
- 11, 12, 13 To set/clear marks on the waveform and to scroll.
  
- 14. Hor Position To move the triggered point.
- 15. Hor Scale Adjusts time per division, aka horizontal scale.

## 1.5 TRIGGER OPTIONS

- Normal Mode New acquisition is made, only when trigger conditions are met.
- Auto Mode Instrument forces a trigger. Waveform might roll, in the absence of valid triggers.

### 1.5.1 TRIGGER DISPLAY



- 1. Trigger Source: Channel 1.
- 2. Trigger Slope Rising Edge
- 3. Trigger Level 0 Volt