Getting Started

This section presents information you need to set up your waveform monitor and to check that it is functional. This section contains the following information:

- *Product Description* gives an overview of the product capabilities.

- *Accessories* lists the standard and optional accessories.

- *Installation* describes how to set up the waveform monitor for use.

- *Functional Check* gives a procedure to verify the primary functions of your waveform monitor.

Product Description

The waveform monitors measure and display 4:2:2 component serial digital signals. A waveform monitor displays serial digital signals as the familiar component signals, as an Eye pattern, as digital data or in a variety of standard measurement modes. Use the EDH (Error Detection and Handling) system and the suite of automated checks of the serial digital format to verify data integrity. Refer to *Appendix A: Specifications* for details of the waveform monitor performance.

Features   The waveform monitors offers the following features:

- Two 270 Mbit serial component loop-through inputs

- Digital video standards SMPTE 259M, ITU-R BT.656, and ITU–R BT.601

- RGB and Y-P_B-P_R display format for 525 and 625 line signals

- Eye Pattern display with Timing and Voltage Cursors on the WFM 601E and the WFM 601M

- Jitter demodulator with numeric jitter readout and video correlated jitter waveform display on the WFM 601M

- Parade or Waveform display of Y, P_B, and P_R component signals

- Digital Waveform and Data displays with Data-cursor correlation between display modes on the WFM 601M

- RGB and composite Gamut checks with Diamond and Arrowhead displays

- Field, line, and word (WFM 601M only) select with readout and bright up of selected lines on Picture Monitor Out (Y or G Channel)

- SMPTE RP-165 standard EDH indicator for presence

- Embedded Audio indentification

- Analog audio Lissajous display on the WFM 601A

- Source signal level meter and cable-length readout on the WFM 601E and the WFM 601M

- Lightning and Vector displays

- Reclocked Serial Component Digital output following A/B switching

- Video Reference: Internal Serial Component signal (follows A/B switching) or external composite

Menus　　An expanded feature set is available through the menus. You select menu items with multi-use bezel buttons and knobs. When you select a menu item, such as Voltage Cursors, on-screen labels show the current function of the bezel buttons and knobs.

Calibrator　　The waveform monitors provide an internal calibrator signal to set both vertical and horizontal gain. The calibrator signal is a 700 mV, 100 kHz signal. Press the CONFIG button and use the bezel knob to select the Calibrate menu. Press the CAL SIG button to turn on the calibrator signal.

Accessories

The waveform monitor is shipped with several standard accessories. These standard accessories and any optional accessories are listed here.

Standard Accessories　　The following accessory items are included with this product:

1　　User Manual, this manual (071-0103–XX)

1　　Power Cord: United States and Japan only (161–0216–XX)

1　　Replacement Fuse Cartridge: 3AG, 2A, 250 V, fast-blow (159–0021–00)

3　　Replacement Graticule Light Bulbs (150–0168–00)

3　　Replacement Air Filters for Fan (378–0415–00)

2　　75 Ω High-frequency, End-line Terminations: 26 dB to 300 MHz (011–0163–00)

1　　Smoke Grey CRT Filter, installed on instrument (378–0258–00)