

### Multi-Function Display Unit



#### Applications

- Flight test instrumentation

#### Features

- Full color TFT LCD video display
  - 2.7" Diagonal
  - 320 X 240 pixel resolution
  - Transflective for sunlight readability
  - LED backlighting for low light visibility
- ARM processor
- LINUX operating system
- Configuration via serial port
- PCM RS-422 clock/data inputs up to 20Mbps
- PCM frame decommutation and correlation
- Process and display selected data
- Display multiple parameters
- Store multiple graphic pages
- Engineering unit process on parameters
- NTSC input for overlay
- General purpose I/O
- Front panel dimmer control
- Front panel page select
- Night vision compatible
- NTSC output of LCD display
- Rugged airborne construction

#### Description

The MFD-100 is a multifunction cockpit display and control unit with engineering unit processing (EUP) and display capability. It has a 2.7" LCD with a resolution of 320 x 240. The MFD-100 incorporates a PCM frame correlator to accept PCM data/clock from an external PCM encoder. This data is decommutated for transfer to memory in preparation for further processing, display, or for use in controlling external subsystems. The MFD-100-1 comes with an NVIS panel over the display and is night vision compatible. The MFD-100-2 does not come with the NVIS panel.

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#### MFD-100 Datasheet

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