

DATA SHEET

Manufacturer: **Jakob Hatteland Display AS**
 Product: **10.4 inch Industrial TFT Display**
 Type: **JH 10T06 STD**



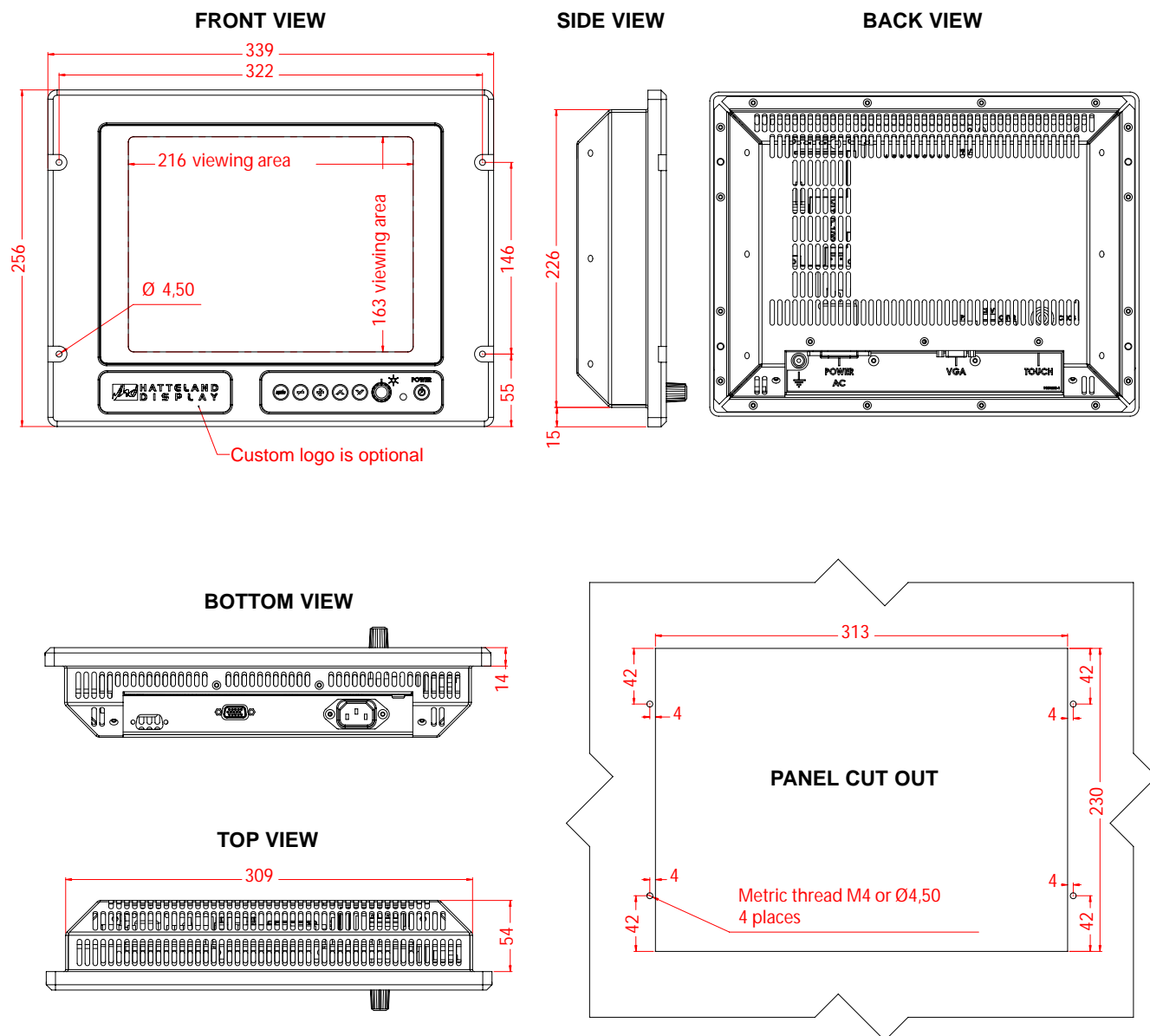
Last Revised: **01 Oct 2003**
 Revision#: **2**

10.4 inch Industrial TFT Display

Features:

The color display described in this Data Sheet is an industrialized version of a high quality Sharp TFT based display (this is a lighter model based on JH10T06 MMD). It allows you to display professional applications with clarity and enhanced color and image quality.

The controller and the high light intensity in combination with the high contrast and wide backlight adjustment control, allow the product to be used in many environments. Brightness is adjustable from 0 to 100%



Note: All specifications are subject to change without prior notice!

TECHNICAL DESCRIPTION

TFT Technology:

- 10.4 inch viewable image size
- Active Matrix, Thin Film Transistor (TFT)
- RGB vertical stripe

TFT Characteristics:

- Pixel Number : 640 x 480
- Pixel Pitch (RGB) : 0.33 (H) x 0.33 (V) mm
- Response Time : 20 ms (typical), "black" to "white"
- Contrast Ratio : 300:1 (typical)
- Light Intensity : 350 cd/m2 (typical)
- Viewable Angle : +/- 70 deg. (H), 40 deg. (V)
- Active Display Area : 211.2 (H) x 158.4 (V) mm
- Max Colors : 262,144 colors (6-bit max)

Synchronisation:

Sync Signal:

- Separate synchronisation only
- Auto detects VGA, non interlaced
- Video Signal : Analog RGB 0,7Vp-p
- Input Impedance 75 Ohm

Synchronisation Range:

- Horizontal : 31,5 kHz to 48,3 kHz
- Vertical : 60 Hz *

* Recommended for optimum picture quality

Supported Signal Inputs:

Resolutions:

- VGA : 640 x 480 * (Including 640 x 350)

* Recommended for optimum picture quality

Power Specifications:

Power Supply Options:

- 115VAC/60Hz & 230VAC/50Hz : Model JH 10T06 STD A1
- 12-24 VDC : Model JH 10T06 STD A2

Power Consumption:

- Operating : 60 W (max)

MECHANICAL DESCRIPTION

Physical Dimensions:

- 339 (W) 256 (H) 54 (D)
- Weight: 3,5 kg (approx)

Input Signal Terminal:

- RGB (PC) signal : 15pin mini D-SUB (female)
- AC Power signal : Std IEC Inlet Model JH 10T06 STD A1
- DC Power signal : Screw terminal Model JH 10T06 STD A2

Accessories:

- Touchscreen : 1 x D-SUB 9P Connector (female)

User Controls:

On front bezel:

- Power On/Off (push button)
- Brightness Control
- Mode Status LED
- On Screen Display control (OSD/OSM)

Environmental Considerations:

- Operating : Temperature -15 deg. C to +55 deg. C
Humidity 30% to 90% (non condensing)
- Storage : Temperature -20 deg. C to +60 deg. C
Humidity 10% to 90% (non condensing)

Safety Considerations:

Even although the test conditions for bridge units provide for a maximum operating temperature of 55°C, continuous operation of all electronic components should, if possible, take place at ambient temperatures of only 25°C . This is a necessary prerequisite for long life and low service costs.

Available Options:

- JH 10TBR = Bracket *
- JH XXTRO STD = Bracket *
- JH 10TSV = Sun Visor *
- Touch Screen = Factory mounted

*Option: Standard or custom logo and color

*Option: See separate datasheet for specifications on bracket options.

APPROVALS & CERTIFICATES

This product have been tested / type approved by the following classification societies:

EN60529 (IP66)