

BECKER NAV NAVIGATION

ACD-160-02 Embedded Multipurpose Display



Technical Data

- Model: **ACD-160-02**
- Power Supply Input range: +10VDC to +36VDC
- Current consumption: 2.5A @ 14 VDC
- CPU: Embedded Intel Pentium-M Processor
- CPU Frequency: > 1GHz
Dimensions: 160mm x 138 mm x 264 mm (with knobs and mounting frame).
- FSB: > 400MHz
- DRAM: 400 MHz DDR333 DRAM
- Interfaces: 2 x RS232, 2 x USB 2.0, LNA, Keyboard, Mouse
- Solid State Mass Memory: 2 GB,
- Hard Disk: None
- Display: 6.4", full VGA (640x480)
- Display brightness: 250 cd/m², (In option: 350 cd/m²)
- Weight (with mounting frame): 2200g

Controls

- One optical rotary encoder with MOM push switch (ON/ OFF + Dimmer function),
- One dual optical rotary encoder with MOM push switch (Menu / Enter + horizontal and vertical menu navigation),
- Six keys, mom push buttons, for direct function access (soft key).

Electrical Interfaces:

Rear panel:

- One D-Sub 37 pin, male, (Power, COM1, VGA Output),
- One D-Sub 37 pin, female (USB, LAN, Keyboard, Mouse, COM2 and dimming voltage input),
- One BNC receptacle (GPS antenna input),

Front panel:

- One USB connector (ESD protected),

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Environmental Conditions (RTCA DO-160D)

- Temperature range, storage: -55°C / $+85^{\circ}\text{C}$, operating: $-20/+55^{\circ}\text{C}$, short time operating: $+70^{\circ}\text{C}$
- Altitude (operating): Sec.4.6.1 Cat. B2: 25000 ft,
- Temperature variation: Sec.5 Cat. B: $5^{\circ}\text{C}/\text{min}$,
- Vibration: Sec.8 Cat. R (B,B1)
- Shocks: Sec.7 Cat.A: Operating: 6G/11ms, Crash: 20G/11ms, Sustained: 20G/3s,
- Power Input: Sec.16 Cat. B,
- Induced Signal Susceptibility: Sec.19 Cat. Z
- RF emissions: Sec.21 Cat. M,
- ESD: Sec.25 Cat. A,

Delivery:

- ACD-160-02 main set X 1
- Installation kits. X 1
- Allen Key X 1
- connector kits 1 sets.
- USB Memory sticks: 1 G byte X 1
- In Door GPS antenna X 1

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