# AHD 1310 F
# Panel Pc with Foil Front



- **Panel PCs with Bonded Foil Front and Touch Screen**
- **All in one solution for quick installation – saves space and costs**
- **Powerful PC system for enhanced performance**
- **Can also be integrated into existing systems**

Böning Automationstechnologie's new generation of displays expands its product range in the display category with innovative devices.

Combining increased performance and functionality in a valuable modern design, they increase operational safety and ease of operation on ship bridges. Their luminosity of up to 1000 cd/m$^2$ ensures good readability at all times, even during bright sunlight. Automatic dimming further ensures that the displays operate without glare especially when cruising at night.

Automotive components allow the displays to be used in greater temperature ranges than previous displays.
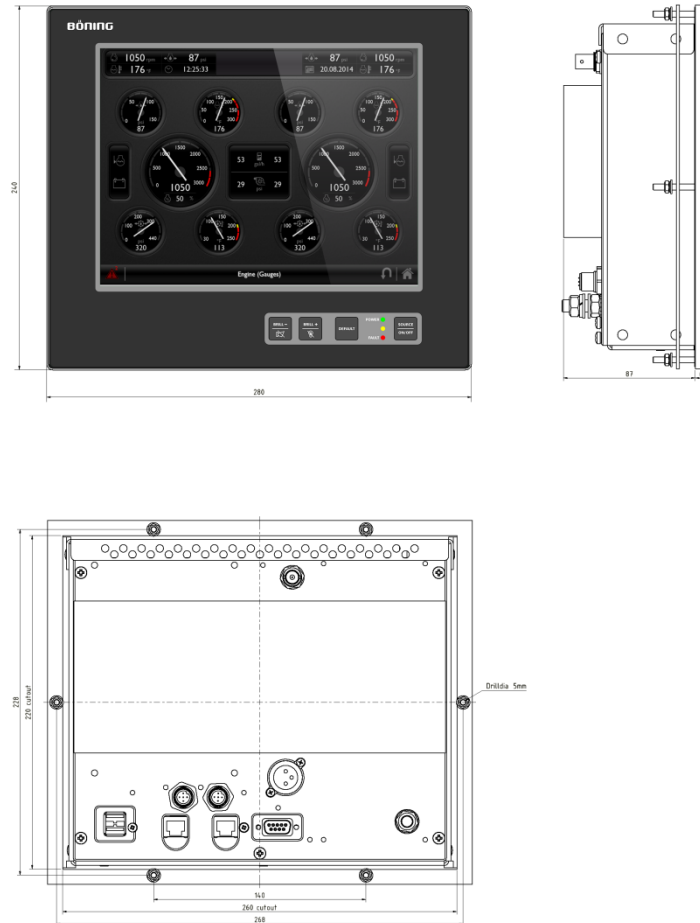
The newest-generation capacitive touch screen allows for ease of operation without compromising the visualization with visible threads. The latest display technology allows for even more brilliant colors and a markedly increased view angle.

Their 24 V DC power supply makes these devices especially suitable for use on ships. The powerful Panel PCs allow safe and reliable operation, even in extreme conditions.

The visualization system with embedded operating system operates completely autonomously. Advantage: it requires neither firewalls nor virus scanners, and in addition, the configuration cannot be changed by accident.

These PCs were especially developed for ship building, and they are absolutely maintenance free. The elimination of mechanically movable components, such as hard disks or fans, renders the device impact resistant. The passive cooling system significantly contributes to its operational safety.

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## Dimensions



| Technical Data | AHD 1310 F |
|---|---|
| Power supply | 24VDC (+30% / -25%) |
| Serv. current consumption | Ca. 45W (24VDC) |
| Ambient temperature | -30°C...+55°C (-30°C...+70°C at interior console temperature of max. +45°C) |
| Storage temperature | -30°C...+85°C |
| Weight | ca. 7 kg |
| Protection class | IP 65 (frontside), IP 20 (rearside) |
| Dimensions (mm) | 280 x 240 x 93mm (installation depth min. 140 mm) |
| Panel Cutout | 260 x 220mm |
| Contrast | 600:1 |
| Viewing angle | 178° (Horizontal / Vertical) |
| Interfaces | 2 x CAN (Remote bus; for remote control of the display, e.g. with AHD-DRM) |
| | 1 x RS 232 (for internal diagnosis purposes) |
| | 2 x LAN (for connection to ship-internal alarm, monitoring and control system) |
| | 1 x USB |
| | 1 x Video IN (50 Hz PAL) |
| Resolution: | 1024 x 768 pixels (H x V; max., XGA); |
| Luminosity: | 1000 cd/m$^2$ LED |
| Approvals | GL, DNV |
| Category of the equipment according to EN 60945: 2002 | B (protected from the weather) |