

ABB MEASUREMENT & ANALYTICS | DATA SHEET

COACH-II

Data recording and management for
EOT cranes



Measurement made easy

Data recording system specially dedicated to crane monitoring

New generation of electronic data logging, monitoring and management system for overhead travelling cranes (EOT), adaptable to other types of crane.

Designed to optimize the maintenance with full knowledge of mechanical stress during use.

Can be used as a 'flight recorder' tracing the history of all recent movements.

Applications

The Coach-II is perfectly designed to the following applications:

- Survey and monitoring of overhead travelling cranes (EOT)

Functions

- Hourly recording on a duration of 25 years of:
 - Upward (ascent), downward (descent), long travel (translatory) and short travel (trolley direction)
 - Number of inchings
 - Lifted load's spectrum and overloads
- Recording of sequences of recent movements (6 months)
- SWP (Safe Working Period) calculation
- Display on front color touch screen (lifted load, movements, SWP, alarms, temperatures, etc.)
- Alarm detection and management (overloads, SWP, etc.) with activation of a relay
- Detection of wire break of the analogue input
- Protection against overvoltage and reverse polarity at the analogue input
- Coach-II programming and data retrieval via the USB stick or via Ethernet (option)
- Centralization of EOT cranes utilization data on a server accessible from any browser (GPRS option)
- Coach-II is supplied with the COACH-VIEW (configuration and analysis data by visualizing by means of graphs and tables)

Specification

	COACH-II-PM	COACH-II-IP 65
Accuracy	0,1 % F.S. ¹	0,1 % F.S. ¹
Qty of relay	2	2
Display	Touchscreen 5.7 in color	Touchscreen 5.7 in color
Internal memory	128 Mo ³	128 Mo ³
IP Rating	Front IP 65 Backside/Terminals IP 20	IP 65
Temperature data		
Service temperature range	0 to 50 °C (32 to 122 °F)	0 to 50°C (32 to 122 °F)
Storage temperature range	-20 to 70 °C (-4 to 158 °F)	-20 to 70 °C (-4 to 158 °F)
Electrical data		
Power supply	24 V DC	24 V DC / 100 to 240 V AC ⁴
Analog input	1 × 0 to 10 V / 4 to 20 mA	1 × 0 to 10 V / 4 to 20 mA
Digital input	4 ²	4 ²
Output signal	0 to 10 V / 4 to 20 mA (SWP)	0 to 10 V / 4 to 20 mA (SWP)
Contact rating	5 A @ 240 V AC / 28 V DC	5 A @ 240 V AC / 28 V DC

1 F.S.: Full scale

2 Potential free contact

3 Compact flash

4 48 V AC (option)

Specifications subjects to change without notice

Dimensions

Data recording and management for EOT cranes

COACH-II

All dimensions in mm (in)

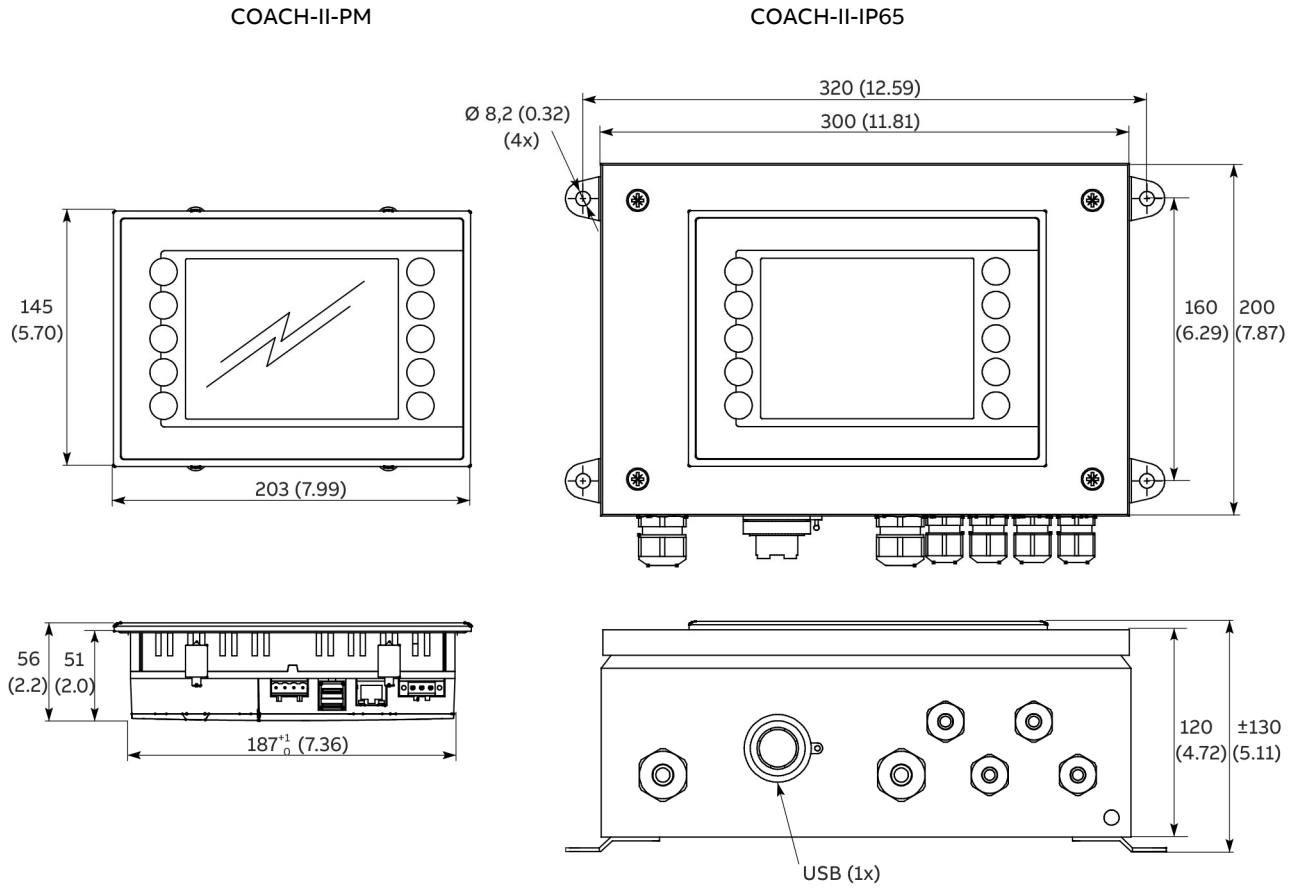


Figure 1: Standard dimensions

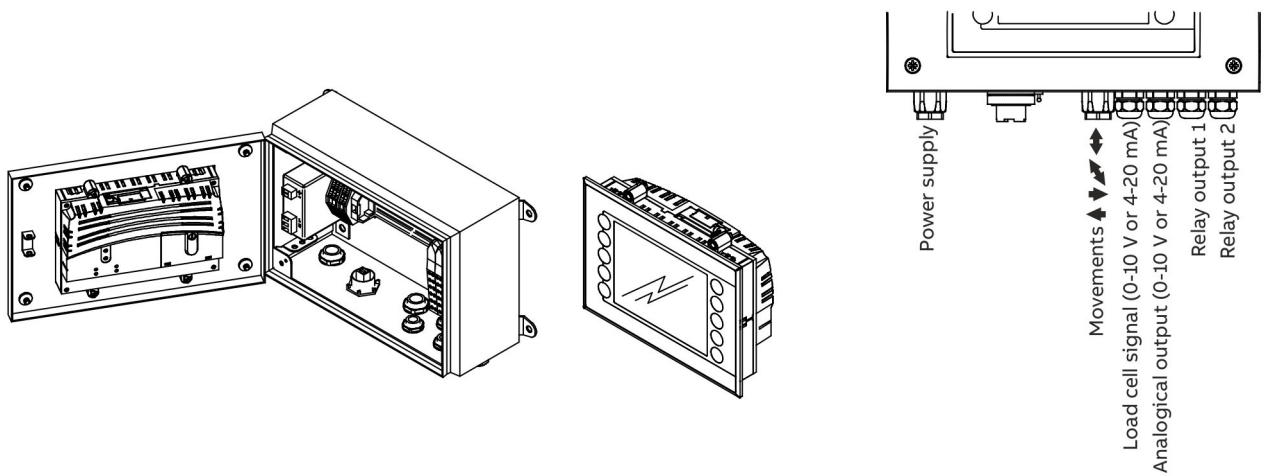


Figure 2: Other view / Terminals

Notes



Notes

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