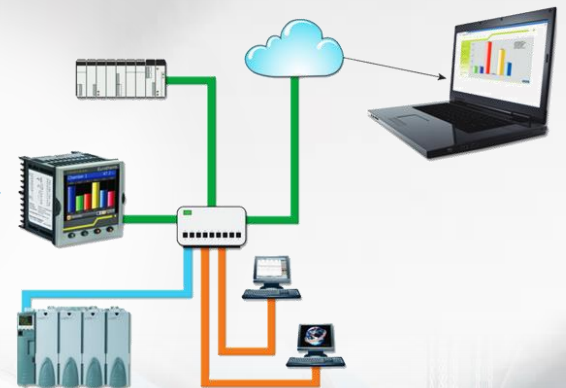# Bahrmann

Compact display systems

Vibration Monitor & Recorder Datawatch IX

Current interface
(e.g. 4...20 mA)
Voltage interface
Thermocouple Digital
inputs

Product description

Indicator for reliable machine monitoring (condition monitoring).

It provides information regarding early warning, alarm status, as well as continuous measured value and data recording.

The Datawatch IX monitor provides a decentralized display of all measured values, as well as remote connectivity to the plant control station.

Applications

- Drives
- Largepumps
- Compressors
- Motors
- Turbines
- Generators

Benefits

- Compact, multicolor monitor and data recorder
- For centralized and decentralized monitoring of machines and plants
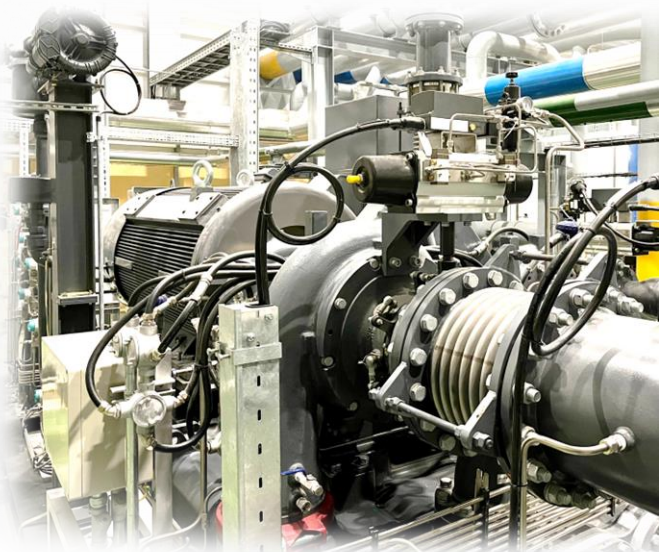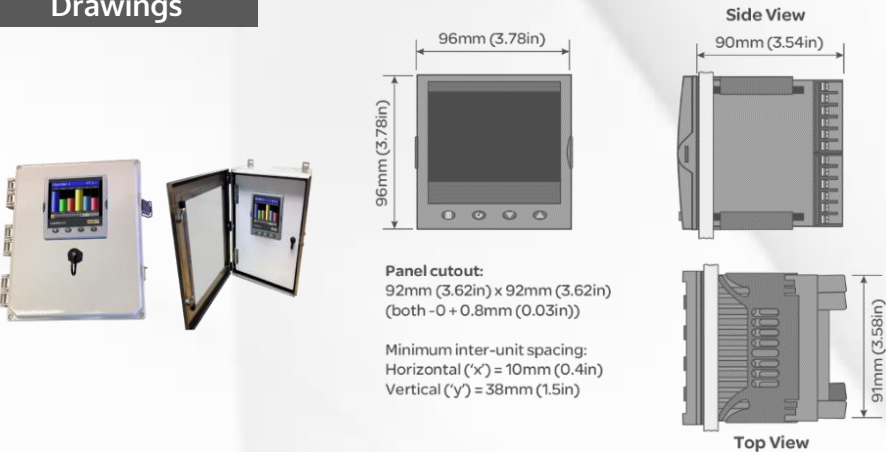- Large variety of input signals

- Graphical monitor and data recorder with alarm functions
- 4 isolated or 8 non-isolated inputs (e.g. for connection of 4...20mA transmitters)
- Configurable inputs: (DC voltage, DC current, 2- and 3-wire thermocouples)
- 4 relay outputs, 2 dig. Inputs
- 30 virtual channels
- Automatic data recording ('Store & Forward')
- Easy operation, also possible without PC

- Internal flash memory (50MB)
- USB port for ext. data backup
- Ethernet network connection (Modbus TCP/IP) for central monitoring (PC, PLC, DCS...)
- Remote visualization via web server
- High-quality 3.5" TFT color display for graphical representation of measured values (bar chart, trend, numerical values)
- Easy control cabinet mounting (DIN rail)
- Optional pre-wired NEMA4X enclosure made of stainless steel or polycarbonate

CE

Technical data

Charakteristic	Technical values
Power supply	24 VDC (9W)
Device protection	(front) IP65 (Rear) IP10
Sampling rate	125ms
Overvoltage protection (inputs)	± 30V RMS
Input impedance (2V range)	> 100 MΩ
Relay outputs	max. 230VAC/2A
Ethernet port (10/100baseT)	RJ45
Temperature range (operation)	0°C ...+55°C
Humidity (non-condensing)	≤ 85%
Weight	0.44 kg

Drawings

Side View
90mm (3.54in)

96mm (3.78in)
96mm (3.78in)

Panel cutout:
92mm (3.62in) x 92mm (3.62in)
(both -0 + 0.8mm (0.03in))

Minimum inter-unit spacing:
Horizontal ('x') = 10mm (0.4in)
Vertical ('y') = 38mm (1.5in)

91mm (3.58in)

Top View

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