



G6

INSTRUMENT
PRODUCT PRESENTATION

OCTOBER 2024

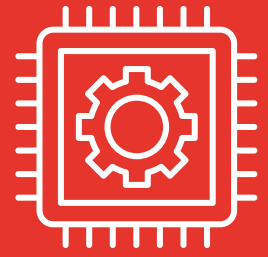
G6 OVERVIEW

NEXT-GENERATION, MULTI-CHANNEL PROCESS INSTRUMENT

- Modular, high-performance solution
- Best-in-class, based on the field-proven G4
- Enhanced performance & versatility
- Tailored to unique requirements
- Panel Mount and Rail Mount
- Rich array of standard features & capabilities

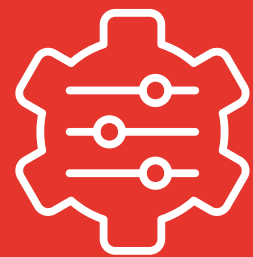


ADDRESSING REAL NEEDS



Advanced technologies

New communication protocols, remote monitoring, high-speed Ethernet



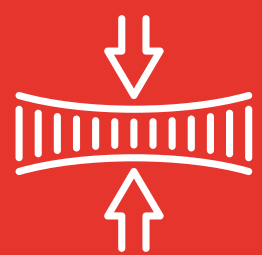
More than a measurement signal

Measurement AND control



Custom-made solutions

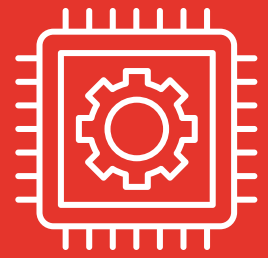
Highly specialized applications in extremely demanding industries, challenging environments



Flexibility to support changing needs

During development and in the field

ADDRESSING REAL NEEDS



Advanced technologies

- More high-speed channels
- PROFINET-fieldbus support
- Ethernet up to 1000 Mbit/s
- And more



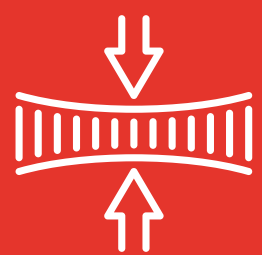
More than a measurement signal

- Level supervision, setpoint, max/min etc.
- Ability to read input signals and set output signals – Enables a sophisticated system with one instrument



Custom-made solutions

- Modularity ensures adaptability to real-life needs
- SW is easily adapted for unique requirements



Flexibility to support changing needs

- Easily expandable system
- Modules can be added/exchanged easily – During development or in the field
- Live view mode

G6 KEY BENEFITS

ROCK-SOLID
ADVANTAGES
FOR YOUR
APPLICATIONS



1 High-performance instrument

2 Unmatched flexibility

3 Proven, long-lasting reliability

HIGH-PERFORMANCE INSTRUMENT

Extreme accuracy

Captures force signals with high precision

Advanced technology

An advanced system-on-chip solution

Enhanced, advanced feature set

Numerous fieldbus communication protocols, and more

Comprehensive measurement and control functionality - Embedded as standard

Level supervision, setpoints, max/min, accumulated weighs, motion supervision, diagnostics, & more

Extensive advanced features and interfaces

For complex installations and requirements

Intuitive use

Simple operation, requiring little training



UNMATCHED FLEXIBILITY

Modular HW design – Up to 6 modules

- Load cell inputs, analog outputs, digital i/o, etc.
- Easy exchange and upgrade in the field

Supports multiple high-speed modules

Wide variety of SW packages – All fully customizable

Multiple user interfaces – Easy integration and setup

2 versions – Panel Mount, Rail Mount



PROVEN, LONG-LASTING RELIABILITY

Based on G4

20+ years of use in highly demand industrial applications with unique requirements

Durable accuracy even in challenging conditions

Robust aluminum casing and shock-absorbing design

Assured quality

Testing performed on each individual module

BLH Nobel

Part of VPG, global leader in weighing & force measurement





KEY FEATURES & CAPABILITIES

(STANDARD CONFIGURATIONS)

High reading rate

Enables accurate control of dynamic processes

Synchronized sampling of all channels

Provides true measurement that is not affected by severe vibration or shock

Advanced digital filtering

Extensive communication support

- Multiple interfaces (high-speed Ethernet, RS485)
- Protocols (Modbus RTU, Modbus TCP, Ethernet/IP)
- Fieldbuses (PROFINET, PROFIBUS, DeviceNet)
- Analog output

Comprehensive measurement and control capabilities

- Net and gross weight, force
- Level supervision
- Setpoint
- Min./max. values
- And more

Remote live-view

Enables browser-based monitoring from anywhere

Sealed enclosure optimized for industrial environments

- IP20 DIN Rail Mount
- IP65 Panel Mount

G6 INSTRUMENT UNITS

FULLY CONFIGURABLE
TO YOUR NEEDS



Panel Mount

- Robust aluminum housing
- 5.7" color backlit touchscreen + buttons
- Supports up to 6 modules
- Available with a DC or AC power supply

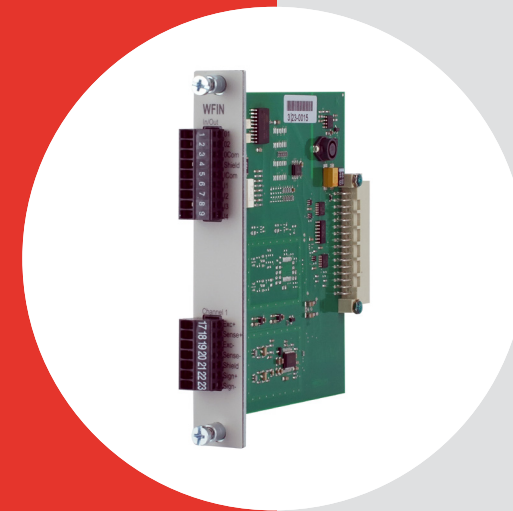


Rail Mount

- DIN 46 277/3 and DIN EN 50022
- Robust aluminum housing
- Compact view-pan display + buttons
- Supports up to 3 modules
- Available with a DC power supply

G6 MODULES

THE G6 MODULAR
INSTRUMENT
CAN BE CONFIGURED
FOR YOUR NEEDS



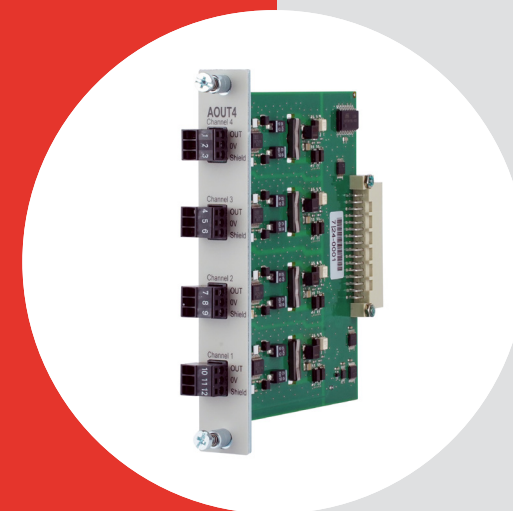
WFIN1/2

High-performance weight/force input module with 1 or 2 input channels
Also available: 4 digital inputs and 2 digital outputs



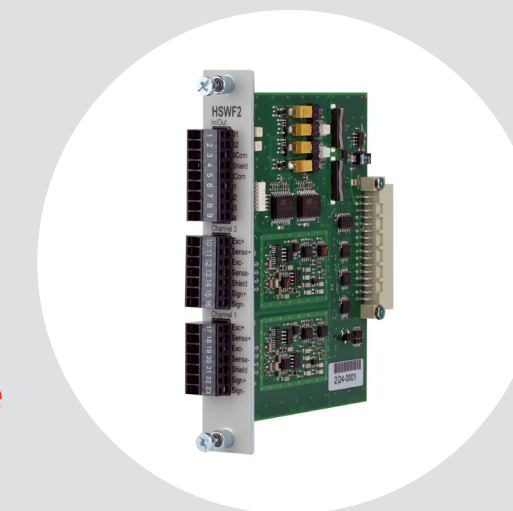
DIO8

Digital input/output module with 8 inputs and 8 outputs



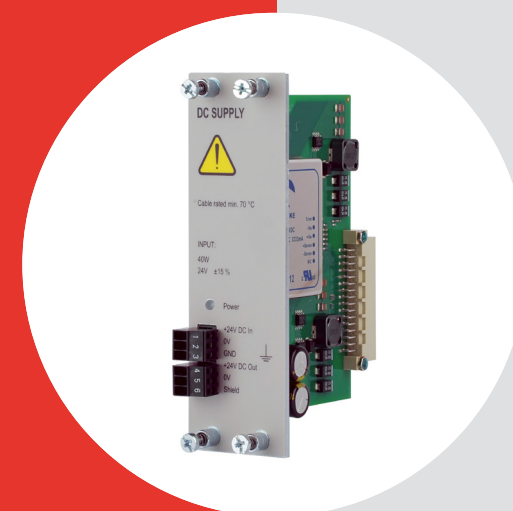
AOUT1/4

Analog output module with 1 or 4 channels
Can be configured on the fly to output current and/or voltage
Also available: adjustable smoothing filter



HSWF2

High-performance, high-speed weight/force input module with 1 or 2 input channels
Also available: 4 digital inputs and 2 digital outputs



DC supply for Panel Mount

Power supply module for 24V operation



AC supply for Panel Mount

Power supply module for AC operation

DEDICATED SOFTWARE

FOR DEMANDING INDUSTRIES



Metal processing



Mining operations



Pulp & paper production



Offshore operations



Food & beverage production



Chemical processing and manufacturing



Pharmaceuticals manufacturing



Crane weighing



THANK
YOU