Weight Indicator

FEATURES

- Works with load cells in weighing measurement systems
- Inputs: load cell – 4-wire or 6-wire; 1 × digital
- Outputs: 2 × relay; 1 × analog
- Data sheet or dead weight calibration
- Protection class IP 65
- RS-485 / Modbus RTU
- Signal peak value detection

CE

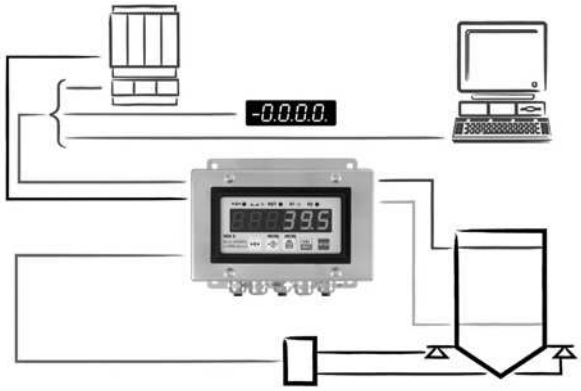
APPLICATIONS

- Process Weighing

DESCRIPTION

The WIN 5 weight indicator is designed for operations with load cells in simple industrial applications. The indicator is equipped with operating pushbuttons that allow: tare weight setting; zero setting for empty balance; and displaying of gross and net weight values. The readouts of the measured mass are presented on a 6-digit LED display. The relay control outputs can adjust the level of measured signal and are controlled according to level value. The indicator's software allows the performance of two calibration methods: data sheet calibration or dead weight calibration. Moreover, the indicator is equipped with analog current output. The indicator is available in 24 VDC or 230 VAC power supply.

CONFIGURATION



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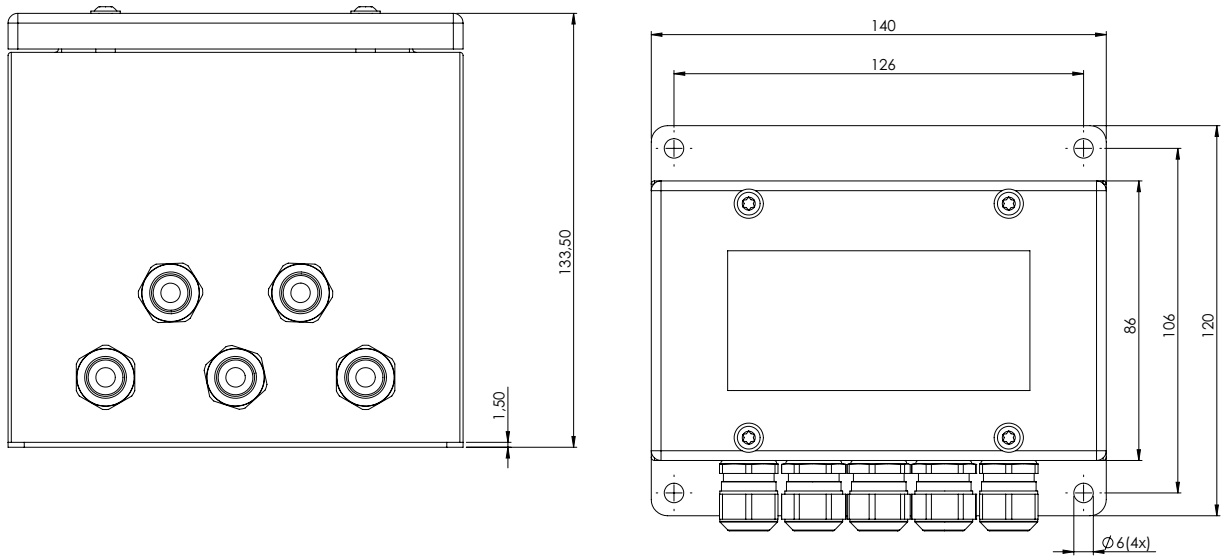
A VPG Brand

Weight Indicator

OUTLINE DIMENSIONS



SPECIFICATIONS

PARAMETER	VALUE
FRONT PANEL	
Display	LED, 6-digit, 13 mm height, red Values –999 to 9999 + two decimals Divisions max. 10 000d
Keyboard	5 buttons for menu control and data entry
RELAY OUTPUT	
Number of relays	2 pcs
Relay type	Closing relay contacts
Contact data	1A/250 VAC
LOAD CELL INPUT	
Excitation	4.6 V ±10%, I_{max} 60 mA. Exc. – connected to earth
Load cells connections	6-wire technique, min. resultant impedance of 80 Ω (e.g., 4 load cells 350 Ω)
Tare range	100% of selected range
Input for full scale	2 mV/V or 4 mV/V
DIGITAL INPUT	
Low level	0 V – 1 V
High level	10 V – 30 V (about 5.5 mA @ 24 V)

PARAMETER	VALUE
ANALOG OUTPUT	
Current output	0–20 mA, 4–20 mA, max. 700 Ω resistive load
Resolution	13 bit
COMMUNICATION INTERFACES	
Modbus RTU, RS-485 (two wire)	
POWER	
Power supply	19–50 VDC / max. 4.5 W; 85–260 VAC / max.4.5 VA, 50/60 Hz
Power supply output	24VDC +5%,–10% / max. 100 mA, stabilized
ENVIRONMENTAL AND MECHANICAL DATA	
Temperature range	0 to +50°C
Connector type	Connector blocks with screw terminals
Ingress protection	IP 65
Enclosure	Stainless steel, wall mount
APPROVALS	
For details contact blhnobel@vpgsensors.com.	

BLH Nobel continuously seeks to improve product quality and performance. Specifications may change accordingly.

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