

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

APPLICATIONS

- Process Weighing

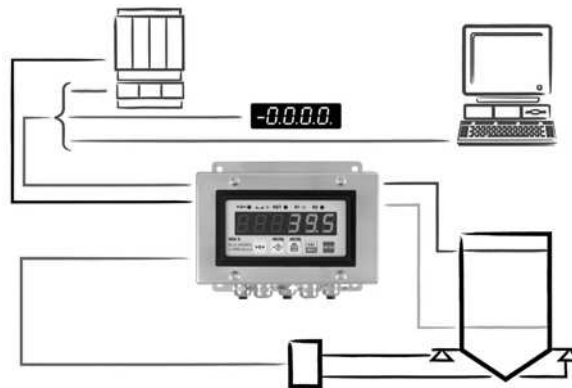
DESCRIPTION

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

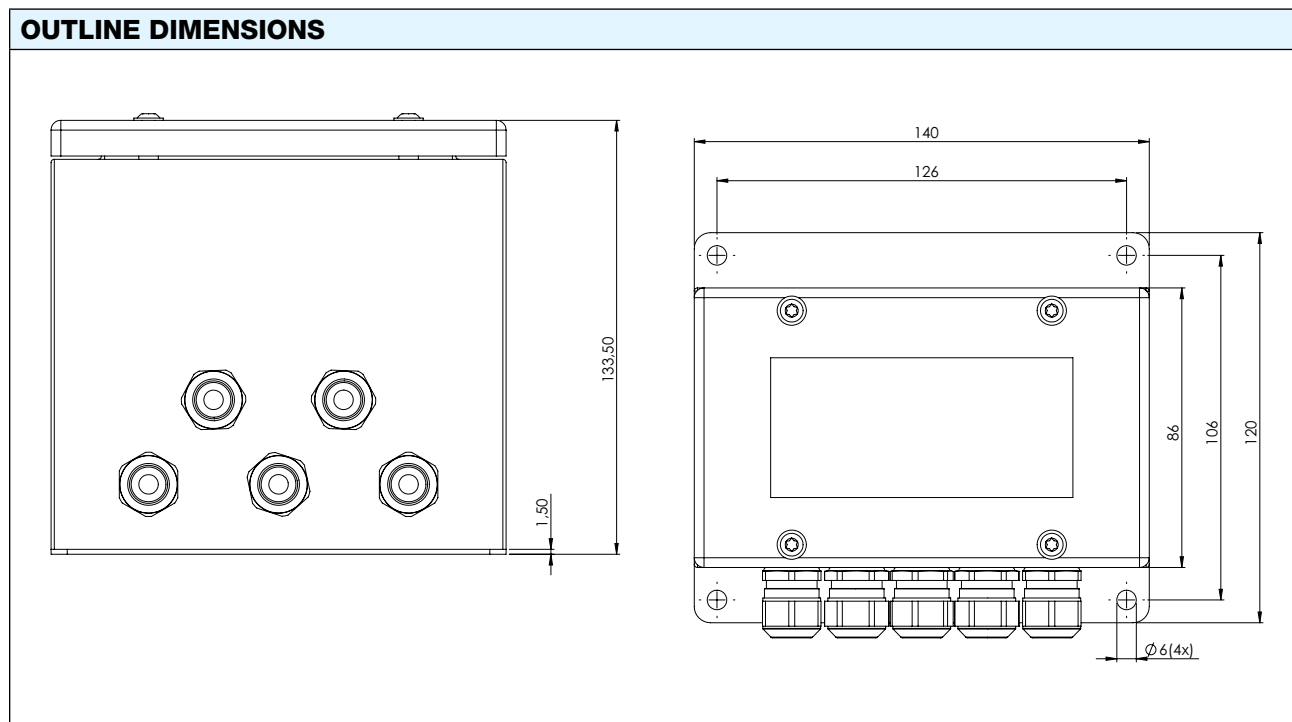


weight calibration. Moreover, the indicator is equipped with analog current output. The indicator is available in 24 VDC or 230 VAC power supply.

CONFIGURATION



Weight Indicator



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			
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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