

Weighing Module

FEATURES

- High accuracy—0.1% combined error
- Easy installation
- Suitable for harsh environmental conditions
- ATEX and IECEx approved for hazardous areas
- Movable load point eliminating thermal expansion effects
- No additional mounting required
- High capacity 500–2000 kN

APPLICATIONS

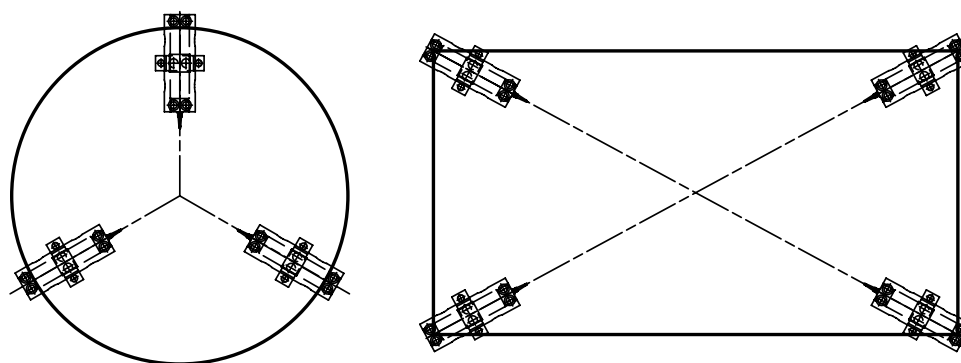
- Tank weighing
- Vessel weighing
- Silo weighing
- Ladle weighing

DESCRIPTION

Load cell weighing module for heavy duty application with moveable load point as in KIS principal. This weighing module is designed for operation in harsh environment and hazardous areas with high accuracy.



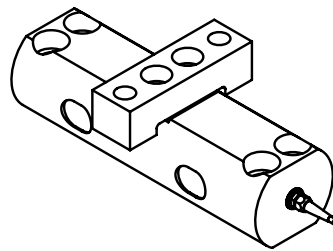
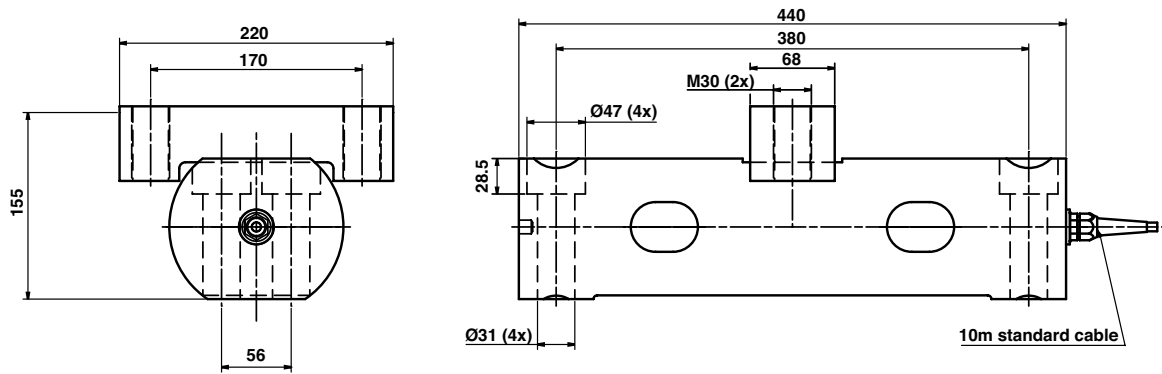
CONFIGURATION



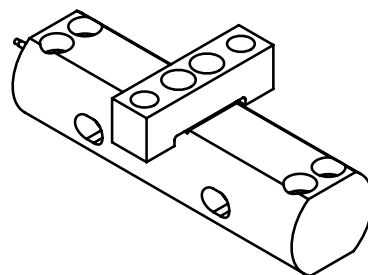
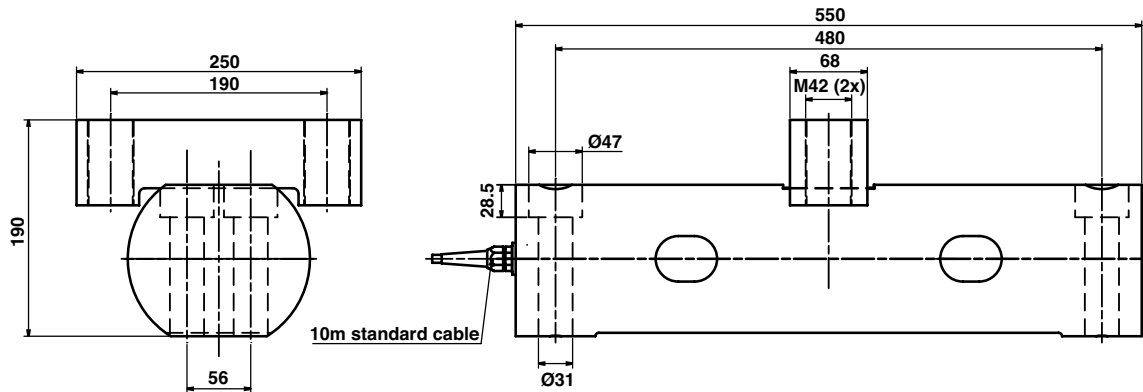
Weighing Module

OUTLINE DIMENSIONS (IN MILLIMETERS)

500–1000 kN Capacities:



1500–2000 kN Capacities:



Weighing Module

SPECIFICATIONS	
PARAMETER	VALUE
Rated load (RL)	500, 1000, 1500, 2000 kN
Combined error (terminal)	±0.1% RO
Repeatability	0.02% RO
Safe load*	200% RL
Ultimate load*	300% RL
Input voltage (recommended)	10 VDC or VAC
Input voltage (maximum)	18 VDC or VAC
Input resistance	350 Ω ±5 Ω
Output resistance	350 Ω ±0.5 Ω
Rated output (RO)	0.9 mV/V
Tolerance of RO	±0.25% RO
Zero balance	±2% RO
Tolerance of shunt calibration values	±0.25% of value (actual output listed on unit calibration sheet)
Creep at RL after 30 min	±0.03% RL
Operating temperature range	-40 to +80°C -40 to +100°C upon request
Temperature effect (-10 to +50°C) on output	±0.005% of output/°C
Temperature effect (-10 to +50°C) on zero balance	±0.005% of RO/°C
Insulation resistance at 200 VDC	>4 GΩ
Material	Yellow chromate steel
Electrical connection	10 m shielded four conductor cable
Degree of protection	IP67
APPROVALS	
ATEX, IECEx certified versions are available upon request. For details contact blhnobel@vpgsensors.com .	

* Referring to recommended loading point

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "VPG"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.