

Load Cell Tester

FEATURES

- Supports four independent weighing channels
- Simultaneous visualization of each individual load cell signal
- Automatic compensation and integrity verification of the individual load cell as well as the load cell connection
- Zero check of the load cell
- Linearity check of the instrument
- Read/write of setup file
- Monochrome graphic display with touch screen
- Easy connection to Junction Box SL-5

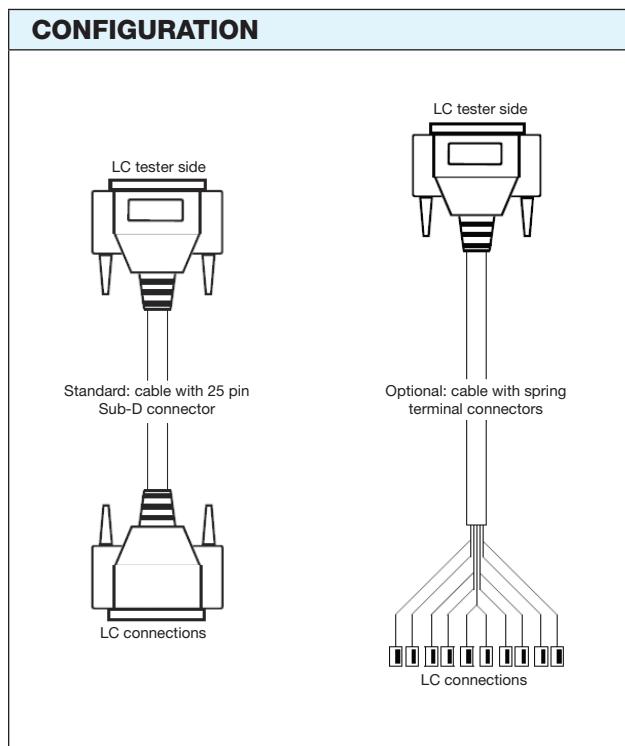
APPLICATIONS

- All weighing and force measurement systems using load cells

DESCRIPTION

The load cell tester 1008 allows to test and calibrate a four load cell system in only few minutes, using a simple but practical serial cable connection.

The LCT 1008 allows for download of measurement results to a PC via an USB or RS232 connection.



SPECIFICATIONS

PARAMETER	VALUE
Power supply	4 x 1.5 V alkaline batteries AA size 4 x 1.2 V NiMh rechargeable batteries AA size
Power consumption	Max. 200 mA
Operating temperature range	-10 to +50°C
Storage temperature range	-20 to +70°C
Display/Keyboard	monochrome LCD touch screen
Overall dimensions	185 x 93 x 36 mm (L x W x H)
Enclosure	Palm in ABS
Protection degree (front)	IP65
Load cells connections	standard: D-sub 25-pin connector; optional: cable with spring terminals
Load cells excitation voltage	3.3 VDC/50 mA (max 4 x 350 Ω LCs)
4 individual load cells channels with the following performance	
Linearity	<0.02% of full scale
Internal resolution	24 bit
Weight display resolution	Up to 50,000 counts
Input signal range	From -3.9 to +3.9mV/V
Decimal digits	Up to 3

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.