

Aluminum Single Point Load Cell



FEATURES

- Capacities 0.5 - 5kg for 350 ohm
- Capacities 5 - 20kg for 1000 ohm
- Aluminum construction
- Single point 200 x 200mm platform
- IP66 protection

DESCRIPTION

Model 1002 is a very small, low capacity, aluminum single point load cell, equally suitable for simple weighing scales or for industrial measurement and medical applications.

The Model 1002 has the advantage of very small size. It is therefore both versatile and easy to use in a wide variety of industrial measurement applications.

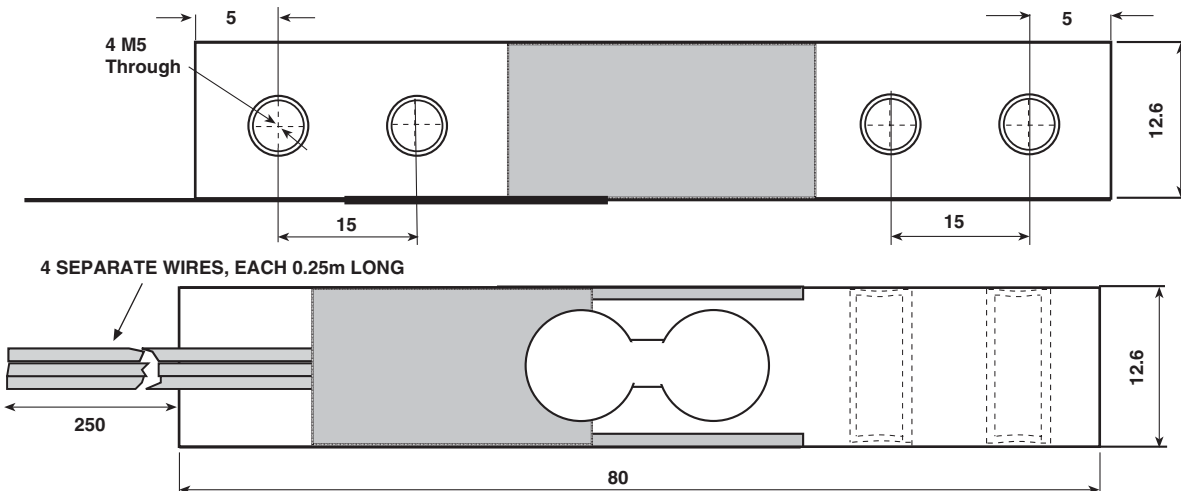
Optional 1000 ohm strain gages are particularly suitable for connection to battery-powered equipment (designated Model 1002-K).

Typical applications include packing machines, filling machines, weaving machines, industrial process control, and low-force medical applications, as well as small-platform weighing.

APPLICATIONS

- Small scales
- Grocery scales

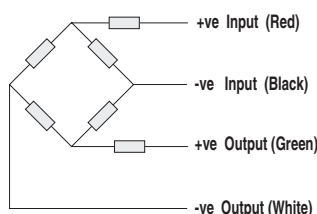
OUTLINE DIMENSIONS in millimeters



SPECIFICATIONS

PARAMETER	VALUE		UNIT
	1002	1002-K	
Model	1002	1002-K	
Accuracy class	Non-Approved		
Maximum no. of intervals (n)	1000		
Rated capacity-R.C. (E_{max})	0.5, 1, 2, 3, 5	5, 8, 15, 20	kg
Rated output-R.O.	0.5	1.5 (5 - 15kg) 2 (20kg)	mV/V
Rated output tolerance	0.05		±mV/V
Zero balance	0.4	0.2	±mV/V
Zero Return, 30 min.	0.050		±% of applied load
Total Error	0.1		±% of rated output
Temperature effect on zero	N/A		±% of rated output/°C
Temperature effect on output	N/A		±% of load/°C
Eccentric loading error	0.16		±% of rated load/cm
Temperature range, compensated	-10 to +40		°C
Temperature range, safe	-20 to +70		°C
Maximum safe central overload	150		% of R.C.
Ultimate central overload	300		% of R.C.
Excitation, recommended	5		Vdc or Vac rms
Excitation, maximum	15		Vdc or Vac rms
Input impedance	350±50	1000±50	Ohms
Output impedance	350±50	1000±50	Ohms
Insulation resistance	>2000		Mega-Ohms
Cable length	0.25		m
Cable type	4 wire, PVC		Standard
Construction	Aluminum		
Environmental protection	IP66		
Platform size (max)	200 x 200		mm
Recommended torque	2		N*m

Wiring Schematic Diagram
(Balanced bridge configuration)



VISHAY TRANSDUCERS (VT) SALES OFFICES

VT Americas
City of Industry, CA
PH: +1-626-858-8899
FAX: +1-626-332-3418
vt.us@vishaymg.com

VT Netherlands
Breda
PH: +31-76-548-0700
FAX: +31-76-541-2854
vt.nl@vishaymg.com

VMG UK
Basingstoke
PH: +44-125-646-2131
FAX: +44-125-647-1441
vt.uk@vishaymg.com

VMG Israel
Netanya
PH: +972-9-863-8888
FAX: +972-9-863-8800
vt.il@vishaymg.com

VMG Germany
Heilbronn
PH: +49-7131-3901-260
FAX: +49-7131-3901-2666
vt.de@vishaymg.com

VT China
Tianjin
PH: +86-22-2835-3503
FAX: +86-22-2835-7261
vt.prc@vishaymg.com

VMG France
Chartres
PH: +33-2-37-33-31-20
FAX: +33-2-37-33-31-29
vt.fr@vishaymg.com

VT Taiwan*
Taipei
PH: +886-2-2696-0168
FAX: +886-2-2696-4965
vt.roc@vishaymg.com
*Asia except China



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