



Capacities 5-100 Kg

Aluminium construction

6 Wire (sense circuit)

Single point  
400 x 400 mm platform

IP54 protection  
(IP67 optional)

Approved to NTEP and  
OIML R60

Hazardous area approved  
to FM & EEx ia IIC T4

**M**odels **1040** and **1041** are low profile single point load cells designed for direct mounting of low cost weighing platforms.

Their small physical size, combined with high accuracy and low cost, makes these load cells ideally suited for retail, bench and counting scales.

Available in anodised aluminium these high accuracy load cells are approved to NTEP and other stringent approval standards, including OIML R60. For hazardous environments this load cell has EEx ia IIC T4 level of approved option.

An optional special humidity resistant protective coating assures long term stability over the entire compensated temperature range.

The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

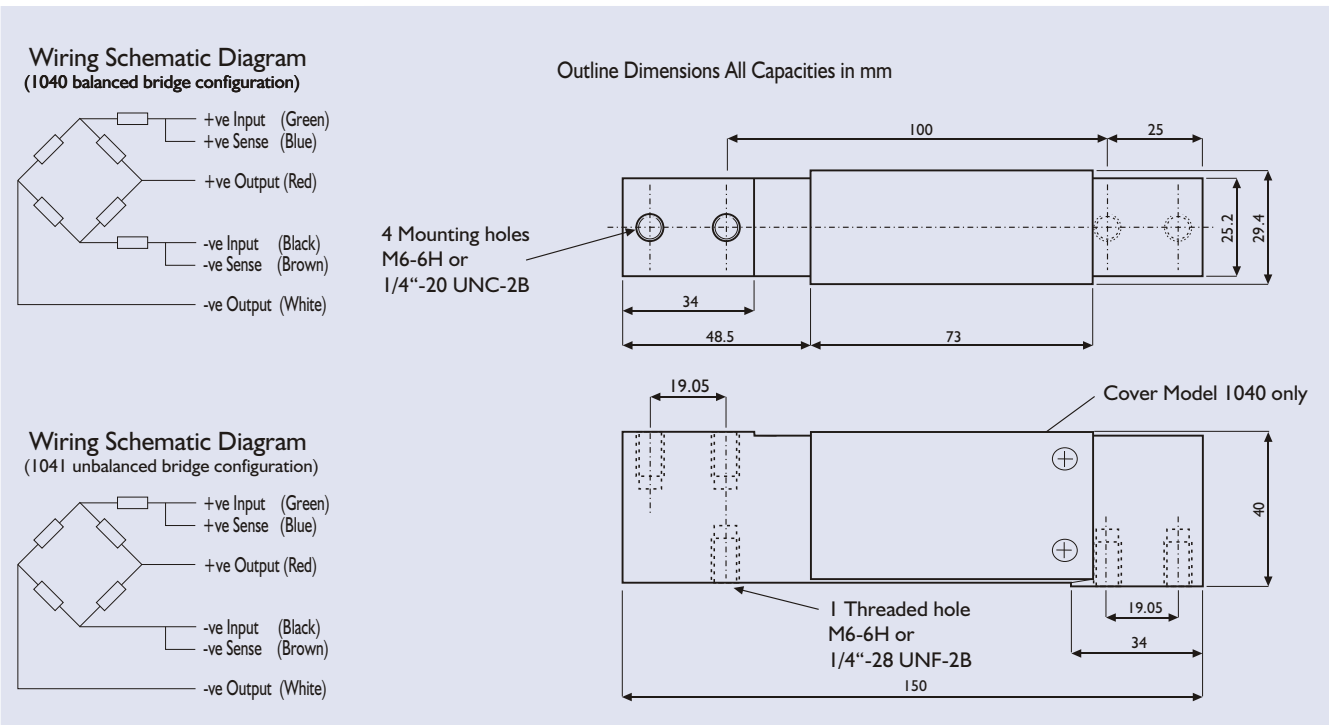
| 040/41

Models 1040 and 1041 Low capacity single point aluminium load cells

# I040/I041 SPECIFICATION

GRADE	E	C3**	UNITS
Rated Capacities	5, 7, 10, 15, 20, 30, 50, 75, 100		kg
Rated Output	2.0 ± 10%		mV/V
Total Error*	0.030	0.020	±% of Rated Output
Zero Return after 30 mins	0.050	0.017	±% of Applied Load
Temperature Effect : On Output	0.0030	0.001	±% of Applied Load/°C
: On Zero	0.0100	0.0023	±% of Rated Output/°C
Eccentric Loading	0.0074	0.0049	±% of Applied Load/cm
Zero Balance	10.0		±% of Rated Output
Temperature range : Operating	-30 to +70		°C
: Compensated	-10 to +40		°C
Safe Overload	150		% of Rated Capacity
Ultimate Overload	300		% of Rated Capacity
Excitation : Recommended	10		Volts AC or DC
: Maximum	15		Volts AC or DC
Input Impedance	415 ± 15		Ohms
Output Impedance	350 ± 3		Ohms
Insulation Impedance	I040 : >5000 I041 : >2000		MegaOhms
Deflection at Rated Capacity	<0.4		mm
Weight	I040 : 0.35 I041 : 0.30		kg
Construction	I040 : Anodised aluminium I041 : Aluminium		
Environmental Protection	I040 : IP54 (IP67 Optional) I041 : IP55		
Cable	1 Metre Standard (0.5m I041), 6 Wire, PVC, Single Floating Screen		
Platform size (max)	400 x 400		mm

\*Total Error - According to OIML R60 C1 & C2 grades are also available. \*\*50% utilisation. Other utilisation available



Due to Tede-Huntleigh's policy of continuous development, these specifications are subject to change without notice

Tede-Huntleigh is the world's leading manufacturer of high quality, high accuracy load cells in volume production. Our manufacturing facilities are ISO 9000 registered. For details of our complete range which covers 1 kg to 100 tonnes, contact us or your local distributor or visit our website at:

[Http://www.tede-huntleigh.com](http://www.tede-huntleigh.com)



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