



1140

**Stainless Steel single point load cell.**

- 15-100 kg capacity
- Stainless steel construction
- 6 Wire (sense circuit)
- Single point 400 x 400 platform
- IP54 protection (IP65 optional)

**Model 1140** is a low profile single point load cell designed for direct mounting of low cost weighing platforms.

The small physical size, combined with high accuracy and low cost, makes this load cell ideally suited for low profile bench and counting scales. For washdown protection an optional IP65 encapsulation protection is available.

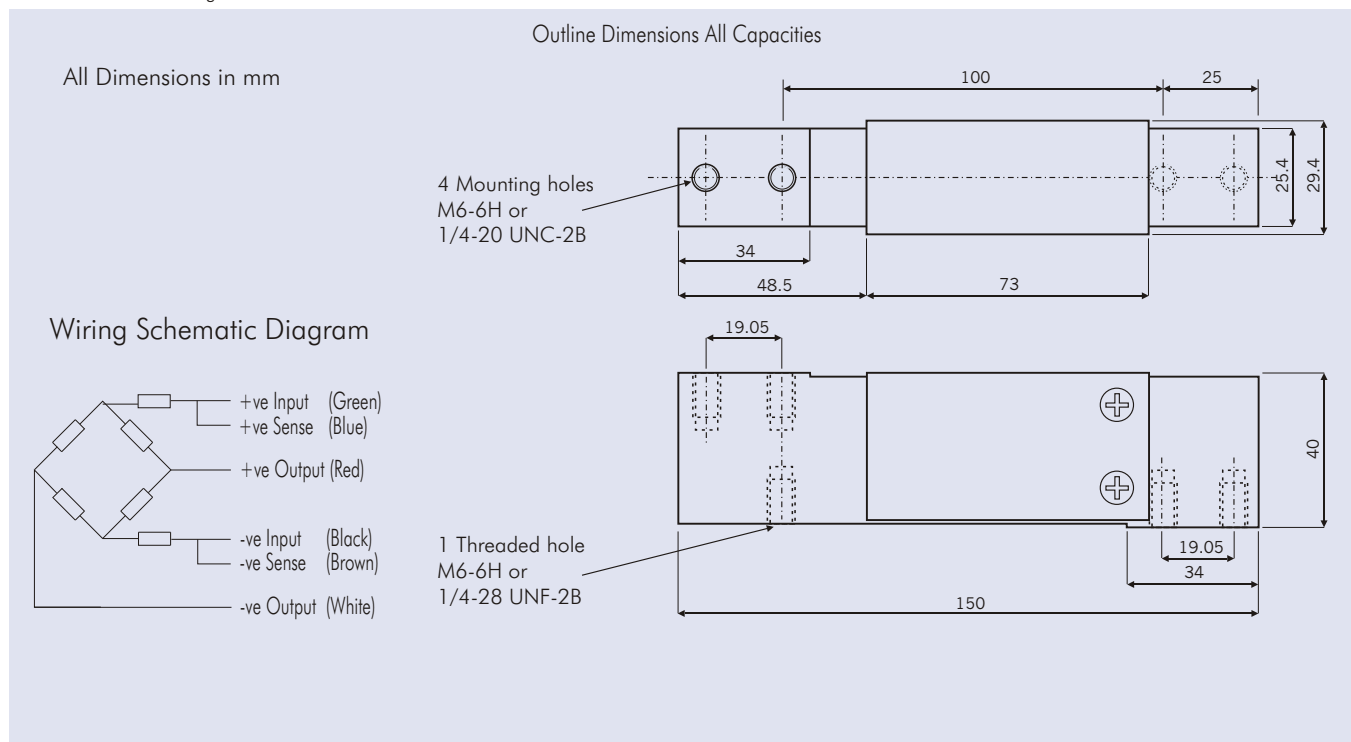
Constructed in stainless steel this high accuracy load cell is approved to Factory Mutual and other stringent approval standards.

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.

# 1140 SPECIFICATION

GRADE	Z	E	F	G	UNITS
Rated Capacities	15, 20, 30, 50, 75, 100.				kg
Rated Output	2.0 ± 10%				mV/V
Total Error	0.075	0.03	0.020	0.020	±% of Applied Load
Zero Return after 30 mins	0.070	0.05	0.025	0.017	±% of Applied Load
Temperature Effect : On Output	0.0070	0.003	0.0014	0.0010	±% of Applied Load / °C
: On Zero	0.0250	0.01	0.0060	0.0040	±% of Rated Load Output / °C
Eccentric Loading	0.015	0.074	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	385 ± 15				Ohms
Output Impedance	350 ± 3				Ohms
Insulation Impedance	>2000				MegaOhms
Deflection at Rated Capacity	<0.4				mm
Weight :	0.85				kg
Construction	Stainless Steel				
Environmental Protection	IP54 (IP65 Optional)				
Cable	1 Metre (Standard), 6 Wire, PVC, Single Floating Screen				

\*Total Error - According to OIML R60



## Also available from Tedeo-Huntleigh

Sealed as standard to IP54, an IP65 version is also available for more demanding environmental conditions. For low cost applications the model 1040 & 1041, of aluminium construction, can be supplied.

For further details please contact the factory or your local distributor:

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



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