

## Medium Profile Aluminum Load Cell

### FEATURES

- Capacities 5–50 kg
- Aluminum construction
- Single-point 400 x 400 mm platform
- Patent pending Elongated Hollow Beam technology
- OIML R60, NTEP, ATEX, IECEX, UKCA and FM approval pending
- IP66 protection

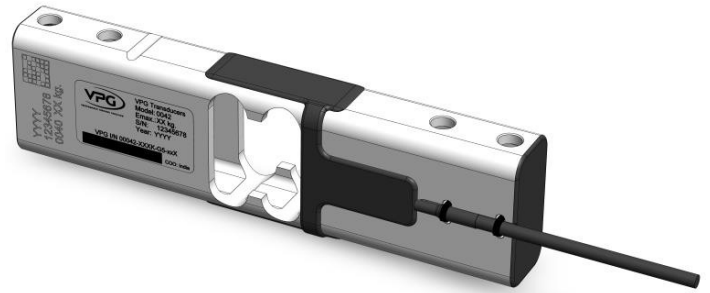
### APPLICATIONS

- Bench scales
- Counting scales
- Grocery scales

### DESCRIPTION

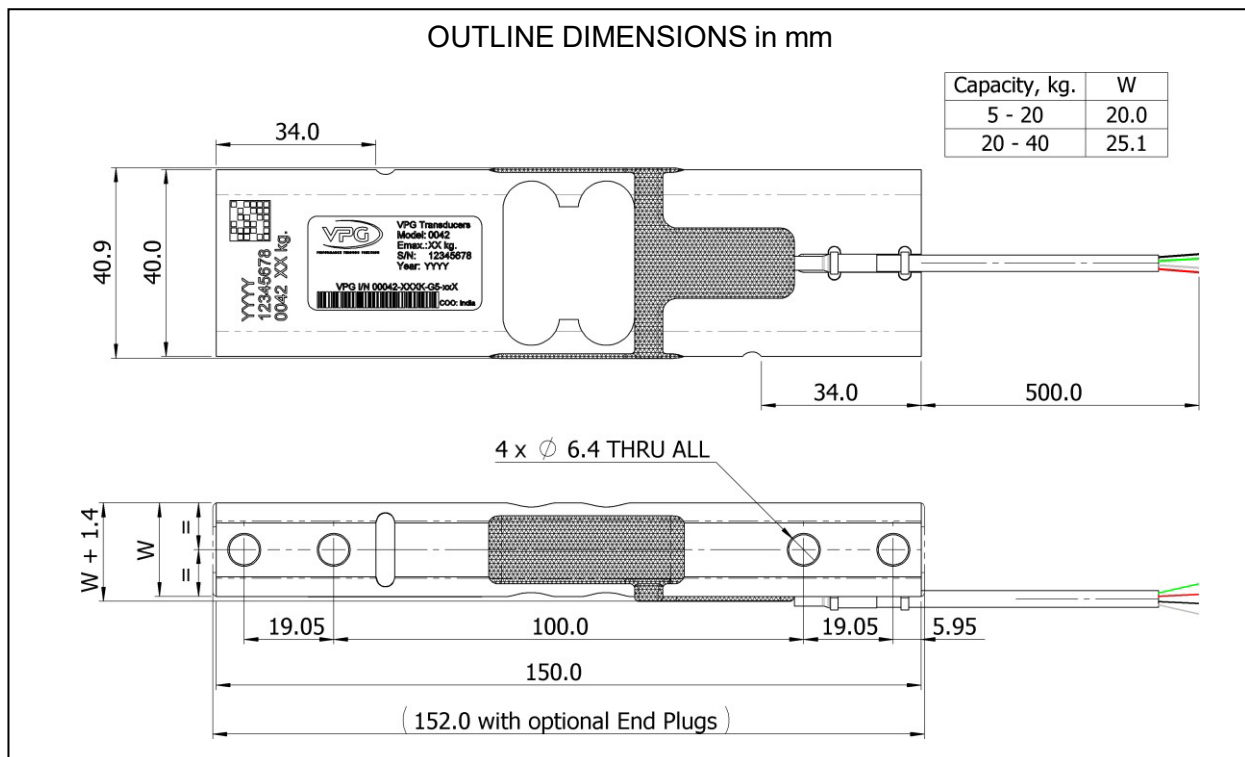
Model 0042 is a Medium profile single-point load cell designed for direct mounting in weighing scales/platforms.

Its small physical size, combined with high accuracy and low cost, makes this load cell ideally suited for retail, bench and counting scales.



Supplied as standard in anodized aluminum. This high accuracy load cell is pending approval to OIML & NTEP standards.

A proprietary triple redundant humidity resistant protective construction assures long-term stability over a wide range of environmental conditions.



Medium Profile Aluminum Load Cell

SPECIFICATIONS					
PARAMETER	VALUE				UNIT
Rated capacity - R.C. ( $E_{max}$ )	5, 7, 10, 15, 20, 30, 40, 50				kg
NTEP/OIML accuracy class <sup>(1)</sup>	NTEP	Non-Approved	C3 <sup>(2)</sup>	C3MR10 <sup>(3)</sup>	
Maximum no. of intervals <sub>(n)</sub>	5000 single	1000	3000	3000	
$Y = E_{max}/V_{min}$	10000	2000	6000	10000	Maximum available 15000 <sup>(1)</sup>
Rated output - R.O.	2.0				mV/V
Rated output tolerance	0.2				±mV/V
Zero balance	0.1				±mV/V
Zero return, 30 min.	0.0100	0.0500	0.0170	0.0170	±% of applied load
Total error (per OIML R60)	0.0200	0.0200	0.0200	0.0200	±% of rated output
Temperature effect on zero	0.0014	0.0070	0.0023	0.0014	±% of rated output/°C
Temperature effect on output	0.0010	0.0030	0.0010	0.0010	±% of applied load/°C
Eccentric loading error	0.0042	0.0074	0.0049	0.0049	±% of rated load/cm
Maximum rec. platform size	40 x 40				cm
Temp. range, compensated	-10 to +40				°C
Temp. range, safe & storage	-30 to +70				°C
Maximum safe central overload	150				% of R.C.
Ultimate central overload	250				% of R.C.
Excitation, recommended	10				VDC or VAC RMS
Excitation, range	5...15				VDC or VAC RMS
Input impedance	350...445				Ω
Output impedance	349...360				Ω
Insulation resistance	>2000				MΩ @50 VDC
Cable length	0.5				m
Cable type	4 <sup>(4)</sup> wire, shielded, PVC jacket, floating shield				Standard
Construction	Anodized aluminum				
Environmental protection	IP66				
Recommended mounting torque	7.0				N*m

<sup>(1)</sup> OIML & NTEP approvals pending

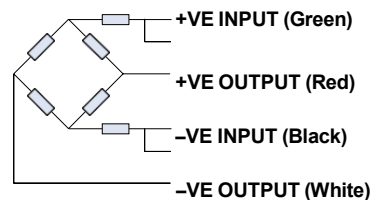
<sup>(2)</sup> 50% utilization.

<sup>(3)</sup> 30% utilization.

<sup>(4)</sup> Options: 6-wire cable.

All specifications subject to change without notice.

**WIRING SCHEMATIC DIAGRAM**  
(Balanced bridge configuration)



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