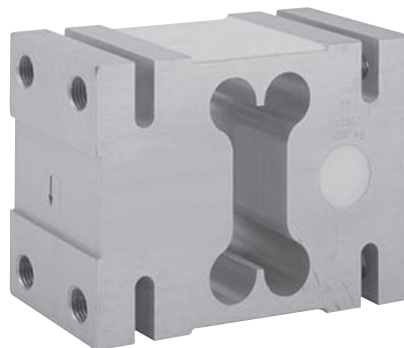


## High Capacity Single-Point Load Cell

### FEATURES

- Capacities: 1000–2000 kg
- Aluminum construction
- Single-point 1200 × 1200 mm platform
- OIML R60 and NTEP approved
- IP66 protection
- Available with metric threads
- **Optional**
  - FM Approval, ATEX, IECEx and UKCA certifications available.



### APPLICATIONS

- Very large platform scales
- Hanging scales
- Check weighing



### DESCRIPTION

Model 1320 is a high-capacity single-point load cell, designed for direct mounting of low profile, high capacity weighing platforms up to 1200 × 1200 mm.

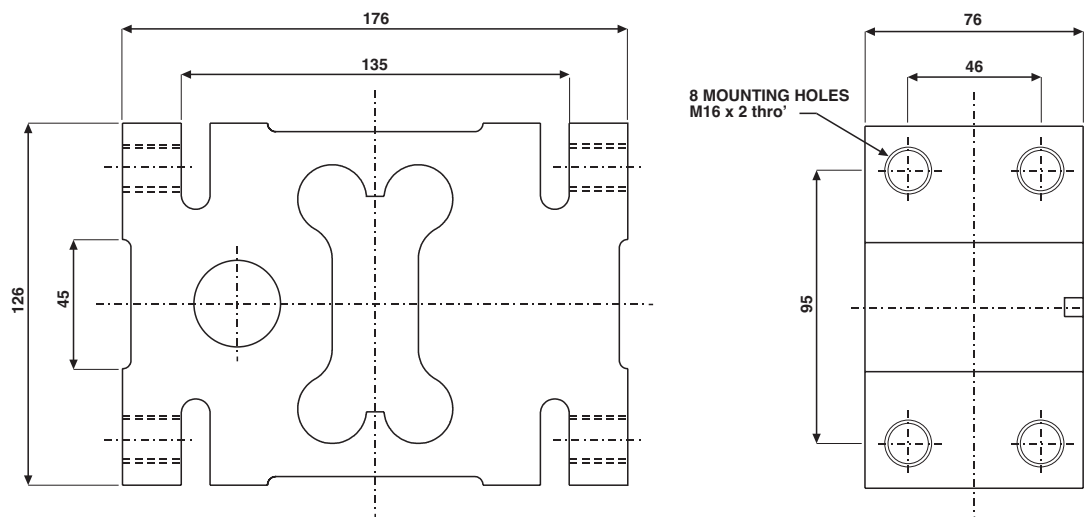
Its large platform size simplifies the construction of floor scales, weigh bars, hanging scales and other types of weighing machines with a capacity up to 2000 kg.

All load cells are individually adjusted to eliminate corner errors, tested and calibrated to meet OIML specifications.

A special humidity-resistant coating assures long-term reliability.

The two additional sense wires feedback 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.

### OUTLINE DIMENSIONS in millimeters



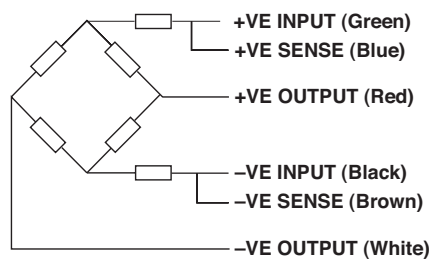
High Capacity Single-Point Load Cell

SPECIFICATIONS				
PARAMETER	VALUE			UNIT
Rated capacity—R.C. ( $E_{max}$ )	1000, 1500, 2000			kg
NTEP/OIML accuracy class	NTEP	Non-Approved	C3	
Maximum no. of intervals (n)	3000 single	1000	3000*	
$Y = E_{max}/V_{min}$	1000	3333	10000	Maximum available
Rated output—R.O.	2.0			mV/V
Rated output tolerance	0.2			±mV/V
Zero balance	0.2			±mV/V
Zero return, 30 min.	0.0330	0.0300	0.0170	±% of applied load
Total error	0.0200	0.0500	0.0200	±% of rated output
Temperature effect on zero	0.0040	0.0100	0.0023	±% of rated output/°C
Temperature effect on output	0.0010	0.0030	0.0010	±% of applied load/°C
Eccentric loading error	0.0033	0.0025	0.0017	±% of rated load/cm
Temperature range, compensated	-10 to +40			°C
Temperature range, safe	-30 to +70			°C
Maximum safe central overload	150			% of R.C.
Ultimate central overload	300			% of R.C.
Excitation, recommended	10			VDC or VAC RMS
Excitation, maximum	15			VDC or VAC RMS
Input impedance	415±15			Ω
Output impedance	350±3			Ω
Insulation resistance	>2000			MΩ
Cable length	5			m
Cable type	6 wire, braided, polyurethane, dual floating screen			Standard
Construction	Plated (anodized) aluminum			
Environmental protection	IP66			
Recommended torque	165.0			N*m

\* 50% utilization

All specifications subject to change without notice.

WIRING SCHEMATIC DIAGRAM



## **CERTIFICATION MARKINGS**

### **ATEX, IECEx & UKEX Markings (For Zone 0,1,2 and Zone 20,21,22)**

II 1GD  
Ex ia IIC T4 Ga  
Ex ia IIIC T<sub>200</sub> 135°C Da  
Ta = -20°C ≤ Ta ≤ +70°C

### **FM Approval Markings (USA and Canada)**

IS Class I, II, III, Division 1,  
Groups A, B, C, D, E, F and G; T4  
Ta = -25°C to +40°C