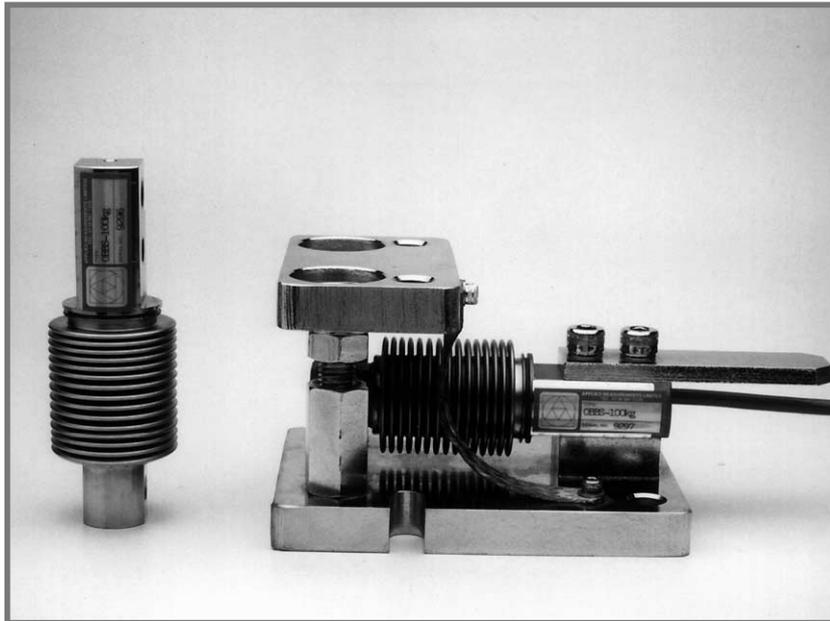


Stainless Steel Hermetically Sealed Bending Beam **LOAD CELL**

OBBS Series



- Capacities 5kg to 500kg
- Hermetically sealed to IP67
- Stainless Steel construction
- Sense wire facility
- Various Certification options available (consult factory)
- **3 YEAR WARRANTY**

Options Available

Different Cable Lengths

Full range of mounting options available, including:-

- Vessel mounting assembly
- Shock/Anti-Vibration mounting assemblies
- Ball-In-Cup - hopper mounting assembly
- Load Button
- Fold Back Arms - converts the cell to a 'S' type cell

500VAC Certification

BASEEFA Certification

DESCRIPTION

Model OBBS is a welded bending beam load cell manufactured from stainless steel. Hermetically sealed against ingress of liquids the sensor's construction and polyurethane shielded cable enables it to function in harsh environments whilst maintaining its integrity.

The low profile, high accuracy and sealing makes this load cell highly suitable for applications such as low profile platforms, weighing and packing machines, conversion of mechanical scales. The stainless steel construction also makes it highly desirable for weighing applications such as food, pharmaceutical, brewing etc., or any application where the load cell needs to be washed down for hygienic purposes.

Sense wires feed back the voltage reaching the load cell, giving compensation for changes in the lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics (for appropriate instrumentation, please refer to the Instrumentation datasheets).

Transducer Specialists...

APPLIED MEASUREMENTS LIMITED

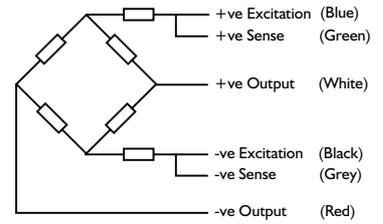
3 MERCURY HOUSE - CALLEVA PARK - ALDERMASTON - BERKSHIRE - RG7 8PN - UK

Tel: (+44) 0118 981 7339 Fax: (+44) 0118 981 9121 email: info@appmeas.co.uk Internet: www.appmeas.co.uk

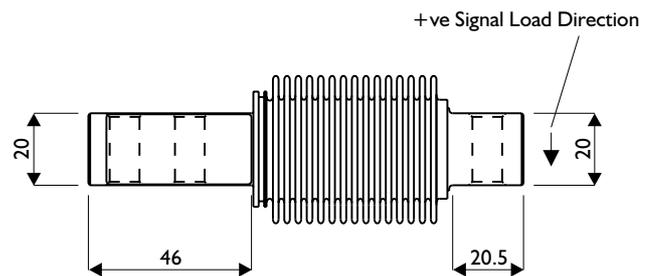
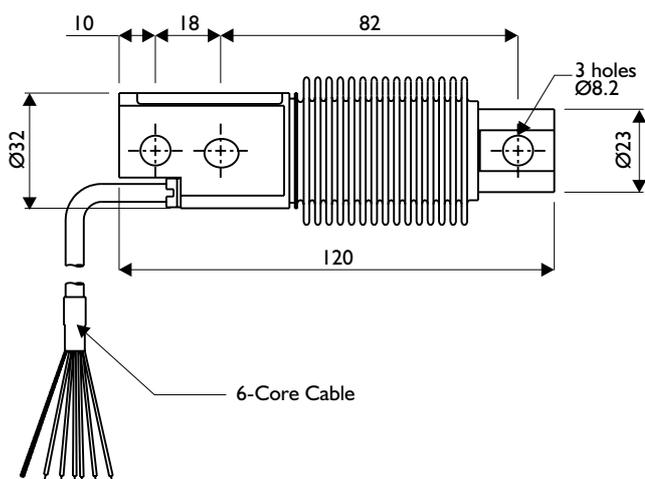


SPECIFICATION

Wiring Schematic Diagram



CHARACTERISTICS	OBBS	UNITS
Rated Capacities:	5, 10, 20, 50, 100, 200, 250, 500	kg
Rated Output:	$2.0 \pm 0.1\%$	mV/V
Total Error:	< 0.030	$\pm\%$ of Rated Output
Zero Return after 30 mins:	< 0.025	$\pm\%$ of Applied Load
Zero Balance:	< 2.0	$\pm\%$ of Rated Output
Temperature Range	Operating: -30 to +80	$^{\circ}\text{C}$
	Compensated: -10 to +40	$^{\circ}\text{C}$
Temperature Effect	On Output: < 0.0012	$\pm\%$ of Applied Load/ $^{\circ}\text{C}$
	On Zero : < 0.0010	$\pm\%$ of Rated Load/ $^{\circ}\text{C}$
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:	380 ± 10	Ohms
Output Impedance:	350 ± 3	Ohms
Insulation Impedance:	> 1000	Megaohms
Deflection at Rated Capacity:	< 0.4	mm
Weight:	0.35	kg
Construction:	Stainless Steel	
Environmental Protection:	IP67	
Cable:	3 Metre 6 Core Screened	



All dimensions in mm

