

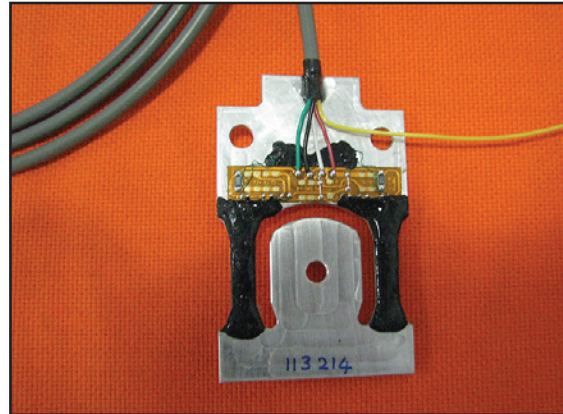
HPB - LOAD FORCE SENSOR

The HPB Load Force Sensor is an extremely accurate, low profile load sensor with great adaptability and flexibility. It is ideal for any situation where a single load sensor is appropriate, regardless of platform size. Unlike most single point load cells, the HPB has no limit to the size of platform that can be attached. Its small form and accuracy make it an excellent choice for all kinds of scales – baby scales, medical office scales, baggage and retail scanner scales, and retail self-checkout systems. The HPB Load Force Sensor is available in four different force ranges from 5 – 100 kg.

- **LESS MOMENT SENSITIVE THAN OTHER LOAD SENSORS**
- **LOW PROFILE (LESS THAN A TENTH OF AN INCH)**
- **EXTREME ACCURACY**
- **FOR LOAD RANGES OF 5 – 100 KG**
- **ADAPTABLE TO COUNTLESS APPLICATIONS**
- **PERFECT FOR SINGLE-SENSOR SYSTEMS WITH LARGE PLATFORMS**

SPECIFICATIONS

LOAD RANGES:	5/10/20/100 kg, depending on model
MATERIAL:	Aluminum
OUTPUT:	1.0 mv/V, $\pm .01$
BRIDGE RESISTANCE:	1,180 \pm 50 ohms
OUTPUT RESISTANCE:	1,000 \pm 10 ohms
EXCITATION:	5 VDC nominal; 15 VDC maximum
SAFE OVERLOAD:	300% of full scale
ULTIMATE OVERLOAD:	400% of full scale
CABLE:	6 feet
COMBINED N/L & HYS EFFECT:	< \pm 0.0200% of full scale
ZERO BALANCE:	< \pm 5% of full scale
CREEP (30 min):	< \pm 0.0600% of full scale
TEMPERATURE EFFECT:	
OUTPUT:	< \pm 0.0400% of full scale/ $^{\circ}$ C
ZERO:	< \pm 0.0200 of full scale/ $^{\circ}$ C
INSULATION RESISTANCE:	> 5,000 Megohms
SIZE (inches):	Length: 2.62, Width: 1.646 Depth: 0.090 – 0.313, depending on model (not including optional foldback arm)



(See diagram next page)

CAPACITY

HPB-5	5 kg
HPB-10	10 kg
HPB-20	20 kg
HPB-100	100 kg

OPTIONS:

HPB-FBA	Foldback arm (fits all models)
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