

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-118
Item to be Scouted	Load Cells
Days to be scouted	30
Response Due By	05/16/2025
Description	Electronic transducer that converts a force or load into an electrical signal, enabling the measurement of force, weight, or pressure.

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	machining, heat treatment, instrumentation strain gauge bonding, and electrical assembly.
Provide dimensions / size / tolerances / performance specifications for the item	See attachments
List required materials needed to make the product, including materials of product components	aluminum alloy and steel alloy
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	500-1000 annually
Estimated target price / unit cost information (if unavailable explain)	\$45 each or less
When is it needed by?	September 2025
Describe packaging requirements	Bagged and Boxed Bulk. Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Southwestern Virginia

Additional Comments

Is there other information you would like to include?	
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Button Load Cell - 200kg (C2)

ID: 3137_0

This compact load cell measures compressive forces. Calibration certificate included.

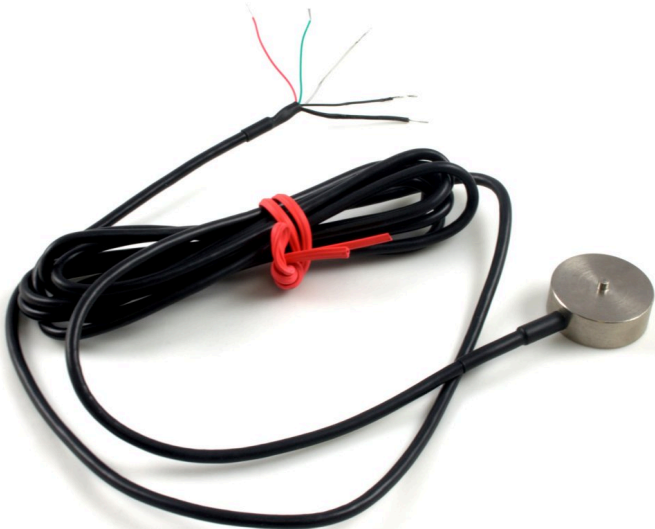
\$45.00

Quantity Available: 399

Qty	Price
5	\$43.20
10	\$41.40
25	\$40.50
50	\$39.60
100	\$38.70

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Description

Connection & Compatibility

Specifications

Other Load Cells

Product Specifications

Sensor Properties

Sensor Type	Compression Load Cell
Controlled By	Bridge Input
Load Cell Accuracy Class	** C2
Weight Capacity Max	200 kg
Maximum Overload	240 kg
Creep	* 40 g/hr
Zero Balance	* ± 2 kg
Cell Repeatability Error Max	* ± 200 g

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Button Load Cell - 200kg (C2) - 3137_0 - Phidgets

Cell Non-Linearity Max	* 400 g
Temperature Effect on Span	* 10 g/°C
Temperature Effect on Zero	* 10 g/°C
Electrical Properties	
Rated Output	* 1 mV/V
Rated Output Error Max	40 µV/V
Output Impedance	350 Ω
Supply Voltage Min	5 V DC
Supply Voltage Max	12 V DC
Physical Properties	
Compensated Temperature Min	-10 °C
Compensated Temperature Max	40 °C
Operating Temperature Min	-20 °C
Operating Temperature Max	55 °C
Cable Length	3 m
Cable Gauge	30 AWG
Material	Aluminium Alloy & Alloy Steel
Screw Thread Size	M3x0.5
Customs Information	
Canadian HS Export Code	8423.90.00
American HTS Import Code	8423.90.10.00
Country of Origin	CN (China)

***See the included calibration sheet for exact values for your load cell.**

****** You can read more about what the Accuracy Class means in our Load Cell Guide.

Documents

- Mechanical Drawing
- Download 3D Step File

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Mechanical Drawing

3137 - Button Load Cell (0-200kg) - CZL204E

