

Model Number
235B

CHARGE OUTPUT FORCE SENSOR

Revision: F
ECN #: 23978

Performance

Sensitivity ($\pm 15\%$)
Measurement Range (Compression)
Measurement Range (Tension)
Maximum Static Force (Compression)
Maximum Static Force (Tension)
Upper Frequency Limit
Non-Linearity

Environmental
Temperature Range
Temperature Coefficient of Sensitivity

Electrical

Capacitance
Insulation Resistance
Output Polarity (Compression)

Physical

Stiffness
Size (Hex x Height x Sensing Surface)
Weight
Housing Material
Sealing
Electrical Connector
Electrical Connection Position
Mounting Thread

ENGLISH

18 pC/lb
 $\leq 35,000$ lb
 $\leq 12,000$ lb
45,000 lb
15,000 lb
6 kHz
 $\leq 1\%$ FS

-100 to +400 °F
 $\leq 0.03\%$ /°F

38 pF
 $\geq 1E12$
Negative

6 lb/in
1.187 in x 3.000 in x 1.580 in
14.5 oz
Stainless Steel
Hermetic
10-32 Coaxial Jack
Side
3/4-16 Male

SI

4047 pC/kN
 ≤ 155.68 kN
 ≤ 53.38 kN
200.16 kN
66.72 kN
6 kHz
 $\leq 1\%$ FS

-73 to +204 °C
 $\leq 0.054\%$ /°C

38 pF
 $\geq 1E12$
Negative

1.05 kN/ μ m
30.16 mm x 76.20 mm x 40.13 mm
412 gm
Stainless Steel
Hermetic
10-32 Coaxial Jack
Side
3/4-16 Male

[1]

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

J - Ground Isolated

M - Metric Mount

P - Positive Output Polarity
Output Polarity (Compression)

W - Water Resistant Cable

Positive

Positive

NOTES:

[1] Zero-based, least-squares, straight line method.

Entered: <i>Jat</i>	Engineer: <i>DMA</i>	Sales: <i>RJM</i>	Approved: <i>mgk</i>	Spec Number:
Date: <i>3/24/06</i>	Date: <i>3/24/06</i>	Date: <i>3/24/06</i>	Date: <i>3-24-06</i>	1450



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All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.

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