

## Honeywell Sensing and Control

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## FS03 Force Sensors

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FS01/FS03 Series force transducer, compensated, amplified, 0 lb to 3.0 lb force range

*Actual product appearance may vary.*

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### Product Specifications

Sensitivity	Laser Trimmed Outputs: 2.85 V min., 3.00 V typ., 3.15 V max.
Operating Force (OF)	3.0 lb
Supply Voltage	5.0 Vdc typ., 12.0 Vdc max.
Null Offset	1.0 Vdc $\pm$ 0.05 Vdc
Linearity	1.0 typ., 3.0 max. %FS, BFSL
Null Shift over Temperature	2.5 max. %FS Over Comp Range, ref to 27 °C
Sensitivity Shift over Temperature	2.5 max. %FS Over Comp Range, ref to 27 °C
Overforce	7 lb
Compensated Temperature Range	5 °C to 50 °C [41 °F to 122 °F]
Operating Temperature	0 °C to 70 °C [32 °F to 158 °F]
Storage Temperature	-20 °C to 85 °C [13 °F to 185 °F]
Solderability	2 s to 4 s @ 220 °C
Availability	Global
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Series Name	FS01/FS03