



AEROSPACE AND DEFENSE TESTING SENSORS

Aerospace and defense applications require high performing sensors to test and measure their products and innovations with accuracy and precision. TE Connectivity (TE) offers one of the most comprehensive portfolios of test & measurement (T&M) sensors in the industry. Our force, pressure and vibration sensor technologies and engineering capabilities are used for aerospace and defense product research, development, testing and evaluation. We work closely with engineers to help transform concepts into creations — redefining what's possible using intelligent, efficient and high performing TE products and solutions proven in harsh environments.







- **VIBRATION**
- **PRESSURE**
- **FORCE**

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Vibration

Model	Package	Mount	Full Scale Range	Sensitivity	Temperature Range [°C]	Typical Applications
 4602	Anodized Aluminum	Screw Mount	2, 5, 10, 30, 50, 100, 200	10 to 1000 mV/g	-54 to +125	Environmental monitoring
 4630	Anodized Aluminum	Screw Mount	2, 5, 10, 30, 50, 100, 200	10 to 1000 mV/g	-40 to +115	Environmental monitoring
 3700	Stainless Steel	Screw Mount	50, 200, 500, 2000, 6000	0.08 to 2.0 mV/g	-54 to +121	Missile testing
 7102A	Stainless Steel	Adhesive	50, 100, 500, 2000	2.5 to 100 mV/g	-55 to +125	Vibration monitoring on motors
 7104A 7105A	Stainless Steel	Stud Mount	50, 100, 500, 1000	5 to 100 mV/g	-55 to +125	Vibration monitoring on motors
 7131A	Stainless Steel	Adhesive and Stud Mount Option	50, 100, 500, 2000	2.5 to 100 mV/g	-55 to +125	Vibration monitoring on motors

Pressure

Model	Package	Mount	Full Scale Range	Output	Temperature Range [°C]	Typical Applications
 EPRB-1 EPRB-2	Stainless Steel	Threaded Pressure Port	3.5 to 700 bar / 50 to 10K psi	0.5 to 4.5 VDC	-40 to +150	Fuel liquid monitoring
 XP5	Titanium	Threaded Pressure Port	0 - 1 to 350 bar / 0 - 15 to 5K psi	20 to 100 mV	-40 to +120	Fuel liquid monitoring
 XPM10	Stainless Steel	Threaded Pressure Port	0 - 1 to 350 bar / 0 - 15 to 5K psi	20 to 100 mV	-40 to +120	Laminar pressure measurements
 XPC10	Stainless Steel	Threaded Pressure Port	0 - 10 to 500 bar / 0 - 150 to 7.5K psi	12 mV FSO	-40 to +220	High temperature pressure measurements
 XPM4	Titanium	Threaded Pressure Port	0 - 5 to 200 bar / 0 - 75 to 3K psi	20 to 100 mV	-40 to +120	Fuel pressure measurements in confined areas

Force

Model	Package	Mount	Full Scale Range	Output	Temperature Range [°C]	Typical Applications
 FN101Q	Stainless Steel	Clevis Mount	10KN to 2000K / 2K to 400K Lbf	±20 mV	-20 to +80	Structural load measurements