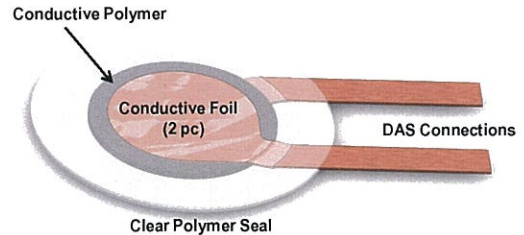


**MODEL IMPACT-FS-M1
IMPACT FORCE/PRESSURE SENSOR**



SENSOR ASSEMBLY

Note: Dynamic impact force/pressure sensor is ultra-thin and has a small diameter.

Applications: Originally designed for measuring blast pressure in military helmets and for surrogate head forms when exposed to Improvised Explosive Devices (IED's). Potential applications in the field of ballistic studies, natural disaster impact studies, sports equipment impact research and vehicle component structural testing.

Key Features: High speed response; hermetically sealed; low energy draw; compatible with standard data acquisition systems; miniature sizes available for unobtrusive usage in device or material testing.

SPECIFICATIONS

Full Scale Capacity:	1,500 psi (10.3 Mpa)
Overload Protection:	10,000 psi (68.9 Mpa)
Standard Size:	0.03" thick x 0.125" to 1" diameter (0.76mm x 3.2mm to 25.4mm)
Zero Balance:	± 0.3% Full Scale
Non-Linearity:	± 3% (max deviation from linear fit)
Repeatability:	± 1%
Temperature Range:	-25°F to 140°F (-32°C to 60°C)
Sensitivity:	450 mV/V @ Full Scale
Max. Frequency:	500kHz to 1MHz (1us to 2us rise time)