

THE USE OF CANTILEVER STRUCTURES AS BLAST WAVE GAUGES

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A need has been expressed for the development of inexpensive instrumentation for the measurement of blast wave properties, especially in experiments where a large number of gauges are required to completely determine the blast field. Such experiments include non-symmetrical blast waves such as the wave from a tunnel entrance or tests where the uniformity of the blast wave is not known. This paper describes the use of circular cross-section cylindrical, ductile or brittle cantilevers to satisfy the above requirements.