

INSTRUMENTATION for PACKAGE PERFORMANCE TESTING (Written 2002)

ABSTRACT

While not required for simple "pass/fail" package performance testing, instrumentation of products and components during test is a powerful approach to achieving the "just right" transport package. This paper will explore the benefits and techniques of using instrumentation to quantify and evaluate package dynamics. Data system components (accelerometers, cables, signal conditioners, and acquisition/-analysis computers) will be discussed, plus digital techniques, computations, and signal filtering and fairing.