

ITOP 3-2-810

ELECTRICAL MEASUREMENT OF WEAPON CHAMBER PRESSURE

SCOPE

This ITOP describes instrumentation and procedures for measuring the pressure within weapon chambers up to 1000MPa with piezoelectric pressure transducers as a function of time during firing tests. Such measurements provide data for evaluating the design performance of projectiles, propellants, ignition systems, and cannon. The use of copper crusher gages is described in NATO STANAG 4113.