

KNC Model 3681 Depth Gauge Chamber

Product Description

The Model 3681 Depth Gauge Chamber by King Nutronics Corporation is used to simulate the operating conditions necessary for accurate testing of depth gauges used in various military and industrial applications. Constructed of heavy-gauge aluminum, this hermetically sealed chamber incorporates a mounting fixture compatible with Type 1156 depth gauges in conformance with MIL-G-18067C specifications. A large window permits convenient observation of the unit under test, and an electrical feed-through enables the operator to connect a light source or other device for use inside the chamber while a test is in progress. The chamber also incorporates a pneumatic feed-through that can be used for supplying pressure/vacuum to the unit under test. Safety features include an interlock that prevents the door from being opened while the chamber is pressurized and a relief valve that automatically vents excess pressure should a malfunction occur.



Specifications

Characteristics	Specifications
Pressure rating: Operating Design burst (min.)	50 μ m absolute to 30 psia 60 psia
Door design	Quick-lock with safety interlock
Interior design	Depth gauge mounting fixture. Accepts Type 1156 depth gauges per MIL-G-18067C.
Seal design	O-ring
Overpressure protection	Relief valve
Port specifications: Pressure Vacuum Spare	AND10056-4 (pressure valve) 3/8" FPT 1/4" FPT
Electrical feed-through	2 wire, 18 gauge
Internal dimensions: Inside diameter Depth	15 inches 15 inches
External dimensions: Height Depth Width	20 inches 17 inches 17 inches
Viewing port diameter	10 inches
Weight	50 lbs.
Exterior finish	Polished and anodized aluminum
Interior finish	Anodized aluminum

