

TECHNICAL DATA SHEET • HARDNESS TESTING EQUIPMENT



Rex OTK-DG Digital O-Ring Hardness Kit

Complete O-Ring Hardness Test System with Digital Display

Designed for repeatable durometer hardness testing on thin materials and toroidal components as thin as 0.050" (ASTM D-2240 Type M standard; functional down to 0.030" / 0.75 mm).

Comprises a precision digital durometer, air-dampened operating stand, O-ring fixturing kit, and test block calibration standards.

TECHNICAL SPECIFICATIONS & SYSTEM DETAILS

Manufacturer: Rex Gauge Company (Made in U.S.A.)	Test Standard: Conforms to ASTM D-2240
Minimum Thickness: 0.050" (ASTM spec) / functional to 0.030"	Fixtures Included: 5 Standard English Sized O-Ring Holders (1/16" to 1/4")
Data Output: USB Port Connectivity (OTK-DG-T stores up to 200 readings)	Calibration: Supplied with NIST Calibration Certificate

SYSTEM CONFIGURATION & COMPONENTS

The OTK-DG system is available in two variants: standard OTK-DG and OTK-DG-T (featuring an adjustable measurement timer with onscreen countdown from 0-30 seconds). Refer to Page 2 for complete inventory and ordering details.

- **Digital Readout:** High-precision digital display eliminates parallax error during reading.
- **Precise Centering:** ORF-1 fixturing set firmly seats O-rings of varying cross-sections directly beneath the indenter pin.
- **Stand Operation:** Air-dampened operating stand ensures consistent application force per test parameters.

ITEMIZED KIT CONTENTS & ORDERING INFORMATION

SYSTEM COMPONENT INVENTORY

Item / Component	Technical Description & Specifications
Rex DD-4-M Digital Durometer	High-resolution digital durometer for elastomeric hardness measurement; includes NIST calibration certificate and conforms to ASTM D-2240.
OS-3 - Air Dampened Operating Stand	Precision vertical test stand designed to apply consistent downward force and control approach velocity.
ORF-1 O-Ring Fixturing Set	Set of 5 standard English-sized fixtures (1/16", 3/32", 1/8", 3/16", 1/4") plus set plug for positioning.
TBK Test Block Kit	Reference calibration test blocks with certification for periodic operational verification.

ORDERING & PRODUCT OPTIONS

Model Number	Description
OTK-DG	Digital O-Ring Hardness Test System with Standard Digital Display, Operating Stand, ORF-1 Fixtures, and Test Block Kit.
OTK-DG-T	Digital O-Ring Hardness Test System with Digital Display, Adjustable Measurement Timer (0-30s), USB Data Export, and 200-reading memory.



Ready to Order or Request a Quote?

Contact ABQ Industrial sales engineers for pricing, calibration certificates, and delivery options.

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