



## FORCE DIAL™ FDK/FDN

DIAL PUSH-PULL FORCE GAUGE  
CAPACITIES TO 60 lbf/30 kgf/300 N

# FORCE DIAL™

## FDK/FDN

COMPACT SIMPLICITY  
HAND-HELD UTILITY

**\$210**

- TENSION & COMPRESSION
- CAPACITIES TO: 60 lbf/30 kgf/300 N
- DUAL GRADUATIONS
- PEAK FORCE HOLD
- NIST CALIBRATION CERTIFICATE
- ACCURACY:  $\pm 1\%$

### CONSTRUCTION

- Large 2.25" [60mm] dial.
- Dual graduations: lbf/kgf or kgf/N.
- Plastic housing, stainless steel plunger, steel spring and brass mechanism.
- Full scale plunger deflection: 0.4" [10mm].
- Push button peak hold.
- Sheet metal screws for handle or fixture mounting.

### OPERATION

- Tension and compression from opposite ends.
- Peak readings retained - released by pushing button.



The unique FDK/FDN is a low cost dial push-pull force gage designed for routine hand-held force testing. It offers basic features - peak force hold, dual lbf/kgf/N graduations and mounting holes - for tension and compression testing to 60 lbf/30 kgf/300 N.

The FDK / FDN features sixteen capacities with dual graduations in pound/gram, ounce/gram or Newton/gram models. Optional stainless steel handle provides stability and comfort for higher pull force testing and

- Tension hook attached thru hole in housing.
- Pound/gram or Newton/gram on outer/inner dial.
- Verify accuracy by suspending test weights on hook.

## ACCESSORIES

- Flat compression head, tension hook, extension rod, case, and manual.

## OPTIONAL ACCESSORIES

- Stainless steel handle, 7/16" [11mm] rubber tip, pressure pad and NIST Calibration Certificate.

## ACCURACY

- $\pm 1\%$  (1 graduation) over 2500 gf.
- $\pm 2\%$  (2 graduations) thru 2500 gf.

NIST Calibration Certificate is available.

After 30 years, the Force Dial has served virtually all sectors of industrial force measurement, as well as fruit ripeness, therapeutic pain and ergonomic testing. The simplicity, low cost and compact portability of the FDK/FDN make is possible.



## **WAGNER** FORCE DIAL™ FDK/FDN

## SPECIFICATIONS

### ALL MODELS

#### DECIMAL POUND / GRAM MODELS

Model	Capacity / Graduation	
FDK 2	2 lbf x 0.02 lbf	1000 gf x 10 gf
FDK 5	5 lbf x 0.05 lbf	2500 gf x 25 gf
FDK 10	10 lbf x 0.10 lbf	5 kgf x 50 gf
FDK 20	20 lbf x 0.25 lbf	10 kgf x 100 gf
FDK 30	30 lbf x 0.25 lbf	14 kgf x 100 gf
FDK 40	40 lbf x 0.50 lbf	20 kgf x 200 gf
FDK 60	60 lbf x 0.50 lbf	30 kgf x 250 gf

#### OUNCE / GRAM MODELS

Model	Capacity / Graduation	
FDK 32	32 ozf x 1/4 ozf	1000 gf x 10 gf
FDK 80	5 lbf x 0.05 ozf	2500 gf x 25 gf
FDK 160	10 lbf x 0.10 ozf	5 kgf x 50 gf

#### NEWTON / GRAM MODELS



Model	Capacity / Graduation	
FDN 10	10 N x 0.1 N	1000 gf x 10 gf
FDN 20	20 N x 0.25 N	2500 gf x 25 gf
FDN 50	50 N x 0.5 N	5 kgf x 50 gf
FDN 100	100 N x 1 N	10 kgf x 100 gf
FDN 200	200 N x 2 N	20 kgf x 200 gf
FDN 300	300 N x 2.5 N	30 kgf x 250 gf

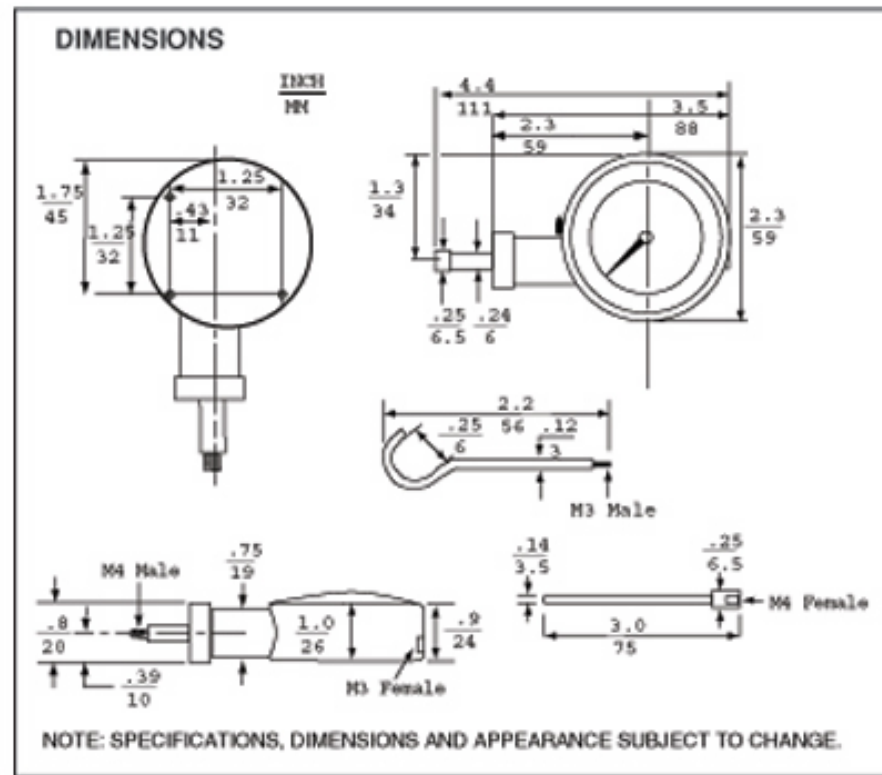
**ACCESSORIES**

FDK/NIST	NIST Calibration Certificate
FDK/RTH	Rubber Tip
FDK/HDL	Stainless Steel Handle
FDK/CP58	Compression Plate - 5/8"
FDK/M4-1032	Converts Gage to #10-32M

\*NIST accuracy verification - data not included.

**NOTES**

- (1) Accuracy: +/- 2 Graduations (thru 2500gf)  
 +/- 1 Graduation (over 2500 gf)
- (2) No zero - All graduations begin at 10% of full capacity. The FDK/FDN Series is not intended for use below 10% of capacity.



**FDK with Handles**



**FDK Algometer**