

HMC DOOR PRESSURE GAUGES



- Building Owners, Architects & Contractors
- Building and Fire Code Inspectors
- Elevator Engineers
- Building Maintenance Engineers

1. MEET ADA REQUIREMENTS

- a. The Americans with Disabilities Act requires that both interior and exterior doors of a building be handicapped accessible.
- b. Door Opening Force (4.13.11 ADAAG)
 - Exterior hinged doors: (Reserved)
 - Interior hinged doors: 5 lbf (22.2N)
 - Sliding or folding doors: 5 lbf (22.2N)

Automatic/Power Assisted Doors: (4.13.12) Such doors shall not open to back check faster than 3 seconds and shall require no more than 15 lbs. (66.6N) to stop door movement. If a power-assisted door is used, its door-opening force shall comply with 4.13.11 and its closing shall conform to the requirements in ANSI A156.19-1984.

2. SATISFY CODES PERTAINING TO FIRE AND ELEVATOR DOORS.

- a. Uniform Building Code #3304 b, d, e and others
- b. ANSI Fire Door Code Vol. 6 80-16, 2-7.2, Uniform Fire Code Section #10.402, #4.104

DPG

0-35 pound force range

1. An instrument designed specifically to measure force.
2. In addition to satisfying door codes, the DPG may be used to determine correct belt tensions on drives of auxiliary equipment such as air compressors, fans and refrigeration and air conditioning equipment.

U 237 X

0-7 pound force range

This light duty gauge can be used in determining lower limitations of interior and exterior door opening/closing forces.

OPERATION INSTRUCTIONS

- A. Set the top (small) "o" ring located on the plunger rod on zero, down against the instrument's flange, or on desired maximum force.
- B. Holding the instrument firmly, press slowly against a given door at a point approximately handle-high and 30 inches toward the handle from the door's hinges.
- C. Read the amount of force required to open the door on the plunger scale closest to the bottom of the small "o" ring.

MADE IN THE U.S.A.


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