

# CM-PG1, PG2, PG3 AND PG4

## INSTALLATION INSTRUCTIONS

### 1. AN ESSENTIAL TOOL FOR:

- Automatic door salespeople, and installers
- Overhead door installers
- Engineers, architects, and contractors
- Building owners, and inspectors)

### 2. MEET ADA REQUIREMENTS

A. The American with Disabilities Act and Canadian Regulations requires that both interior and exterior doors of a building be wheelchair 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 force shall conform to the requirements in ANSI A156.19 (1984).

### 3. OPERATING INSTRUCTIONS

A. Set "o" ring on zero, down against the instruments flange, or on the desired maximum force.

B. Holding the instrument firmly, either push or pull 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/close the door on the plunger scale closest to the bottom of the small "o" ring.

#### Model: CM-PG1

- 0-7 lbs. force range
- This light duty gauge can be used in determining the lower limitations of interior and exterior door opening/closing forces.

#### Model: CM-PG2

- 0-35 lbs. force range
- This unit is larger and more robust. It is suitable for measuring the force of full-size, normal speed door operators as well as measuring the closing force of "overhead doors" and "elevator doors"

#### Model: CM-PG3

- 10-50 lbs. force range
- This robust unit is used to measure "door opening" and "sliding-door" breakout panel force.

#### Model: CM-PG4

- 10-66 lbs. force range
- This robust unit is used to measure "door opening" and "sliding-door" breakout panel force.



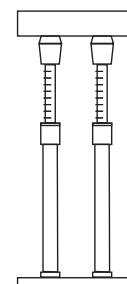
Model: CM-PG1



Model: CM-PG2



Model: CM-PG3



Model: CM-PG4