

ELANE HAND FORCE METER

DATASHEET



FEATURES AND FUNCTIONS

- Measures and displays compressive force exerted by the hand using a detachable external load cell attached to a stainless steel hand grip
- Portable and hand-held display
- Battery-operated
- Displays force measurement in Newton (N) units or pound-force (lbf) units
- Peak hold function to display the maximum force that has been attained
- LED for different functions (Indicators for Newton, Pound-Force, and Peak Hold)

SPECIFICATIONS

Description	Specifications
Display Units	Newton (N)/Pound-force (lbf)
Capacity	220 N/50 lbf
Resolution	0.01 N/0.01 lbf
Accuracy	± 0.1 % of reading ± 1 digit
Calibration	One point using 10kg weight for capacity equal or above 50kg
Power	Batteries (2xAA alkaline batteries, not supplied)
Warm Up Time	5 seconds or less
Display	5-digit large LCD
Keys	TARE/ON/OFF – This key tare or zeroes out any force displayed. UNIT/PEAK HOLD – This key switches unit display to Newton (N) or pound-force (lb-f) and vice versa. Pressing this key for more than 2 seconds will enable peak hold function.
Temperature	Good performance within 30 degree to 100 degree Fahrenheit. The scale is designed to operate in normal room temperatures. If

	subjected to cold or warm temperatures, it should be allowed to reach room temperature before operating.
Case and Platform	Plastic ABS case Load cell is attached to stainless steel for hand gripping (wire length of 2 meters)
Load Cell Technology	Four-element single strain gauge OIML with temperature compensation
Load Cell Body	Material: 2024 – T4/T351 Aluminum Alloy

OPERATION

KEYS

Technology: Tactile Switch
Quantity: 2

WARRANTY

1 year from date of sale to end-user against defect in manufacturing and materials

XIAMEN ELANE ELECTRONICS