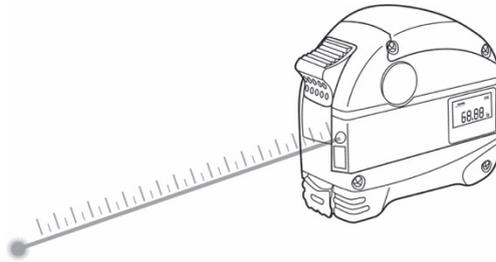# protech

**Laser Measuring Tape
QM1627
User Manual**

**THANKS FOR CHOOSING
OUR LASER RANGE TAPE MEASURE**

Before using the product for the first time, Pls kindly read the safety conditions and instructions carefully.

I、SAFETY REGULATIONS

⚠Be sure to read all the terms and operating instructions in this manual carefully before using this product. Failure to follow these safety rules and operating instructions may result in hazardous laser radiation damage, electric shock or personal injury.

⚠Don't attempt to change the laser's performance in any way. It will cause the danger of laser exposure. Turn on the laser only when using the instrument. Do not look directly at the laser. Please keep your instrument in a safe place to avoid the using of unrelated person.

⚠Don't intentionally or use laser light to illuminate others in the dark place.

⚠Don't irradiate the laser beam on a highly reflective surface.

⚠Don't put the tape measure in the place where the children can get.

⚠Don't repair this instrument without permission. If the instrument is damaged, Pls contact with your local saler.

⚠Electromagnetic radiation may cause interference with machine and devices on the ground (eg, medical devices such as pacemakers or hearing aids).

⚠Don't use this instrument in a flammable or explosive environment.

⚠Don't use this instrument near medical equipment.

⚠Don't use this instrument on an airplane.

⚠Dispose of the disused instrument in accordance with the law of your location.

II、OVERVIEW
KEYBOARD (See right figure)
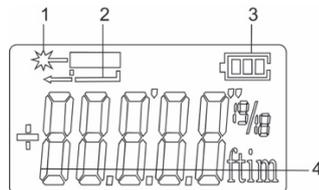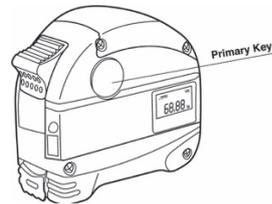1, Turn on /single measurement reference adjustment
 Turn off /setting
DISPLAY SCREEN (See Below)
1, laser on indicator
2, Measurement datum indicator
3, Battery level indicator
4, Main display area

4、OPERATING
Start: Press and hold the primary key for about 2 seconds to turn on, and the backlight will turn off automatically after 15 seconds without key operation.

Turn on laser/measurement: Short time press the primary key in the power on state to turn on the laser or distance measurement.

Baseline switch: Press and hold the primary key for about 3 seconds in the power on state to switch the baseline, and restore the default baseline after rebooting.

Shutdown: Press and hold the primary key for approximately 5 seconds to turn off the power in the on state, and turn off automatically after 45 seconds without the key operation.

Settings: Press and hold the primary key for approximately 5 seconds in the off state to enter the setting state. The measured value can be corrected in the ±7mm range; the metric or imperial units can be set as the default values. Press and hold the primary key for about 1second to set the switch .Press the primary key shortly to adjust the setting.

5、PROMPT CODE AND SOLUTION

During the use of the instrument, the instrument may appear as follows:

INFORMATION	REASON	SOLUTION
b.L	Low Battery voltage	Replace new battery or charge
t.L	Low temperature	Instrument warming
t.H	High Temperature	Instrument cooling

6、TECHNICAL PARAMETERS

Measurement accuracy	±3mm*
Unit	m/in/ft
Measurement range(without reflector)	0.03-30mm**
Measure time	0.3-4s
Laser type	620~670nm,<1mw
Automatically turn off the laser	15s
Automatic shut-down	45s
Display lighting	White LED
Measurement reference switch	√
Power display	√
Range of working temperature	0℃~40℃
Storage temperature range	-20℃~60℃

*Up to 30 meters under good measuring conditions (good measuring surface, room temperature), under bad measuring conditions (such as too strong ambient light, excessive or small measured coefficient of the measured point, excessive temperature difference, etc.) The deviation is ±0.25mm/m.

**Pls use a reflector in case of strong sunlight or poor reflection of the target!

7、MAINTENANCE

Do not immerse the instrument in water, Pls use a soft cloth to wipe the surface dust, Do not use aggressive cleaning solutions. Wipe the surface of the optical component (including the laser exit window and the signal receiving lens) by wiping the glasses and the camera lens.