

Kiprim LD50E

Kiprim LD50E Laser Distance Measure User Manual

Model: LD50E

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using the device. Failure to follow these safety instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

1.1 Laser Safety

- This device emits Class II laser radiation. Do not stare directly into the laser beam.
- Do not aim the laser beam at people or animals.
- Avoid direct eye exposure to the laser beam.
- Do not disassemble the device. Repairs should only be performed by authorized service personnel.
- Keep the device out of reach of children.

1.2 Battery Safety

- Use only the specified battery type (2 x 1.5V AAA alkaline batteries).
- Do not mix old and new batteries, or different types of batteries.
- Insert batteries with correct polarity.
- Remove batteries if the device will not be used for an extended period.
- Dispose of used batteries properly according to local regulations.

1.3 General Safety

- Do not operate the device in explosive environments, such as in the presence of flammable liquids, gases, or dust.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- The device is IP54 rated for dust and splash protection, but it is not fully waterproof. Do not immerse it in water.

English:

⚠️ General safety instructions

1. CHOKING DANGER! Always keep children away from packaging materials. The packaging material is not a toy.
2. Do not use the product in locations where there is a risk of fire or explosion.
3. Warning: Not suitable for children under 9 years. For use under adult supervision.
4. Protect the product from moisture and direct sunlight.
5. Avoid violent or shocks or falls of the product.
6. Do not expose the product to extreme temperatures or temperature fluctuations.
7. Warning: Do not aim at eyes or face.
8. Warning: Do not fire near eyes.

⚠️ Security notes for batteries

1. RISK OF DEATH! Keep batteries out of reach from children. In the event of a leak, look for a doctor immediately!
2. May be swallowed. Burns, perforation of soft tissue and lead to death. Severe burns can occur within 2 hours of swallowing appear.
3. EXPLOSION DANGER! Never charge nonrechargeable batteries. Do not shorten batteries/rechargeable batteries and/or do not open them, overheating, danger of fire or bursting can result.
4. Throw away batteries! Never expose batteries to fire or water.
5. Risk of battery/rechargeable battery leakage. Avoid extreme conditions and temperatures that affect the temperature of the battery/rechargeable battery. Batteries may leak, for example on a radiator/through direct sunlight.
6. If batteries/rechargeable batteries have expired, avoid contact of skin, eyes and mucous membranes with the chemicals! Immediately rinse the affected areas with clean water and consult a doctor! If the battery/rechargeable batteries leak, remove them from the product immediately to avoid damage.
7. Use only the charger specified by the battery manufacturer.
8. Do not overcharge or over-discharge the battery.

Deutsch:

⚠️ Allgemeine Sicherheitswarnhinweise

1. ERSTICKUNGSGEFAHRE! Halten Sie Kinder immer von Verpackungsmaterial fern. Das Verpackungsmaterial ist kein Spielzeug.
2. Verwenden Sie das Produkt nicht an Orten, an denen Brand- oder Explosionsgefahr besteht!
3. Warnung: Nicht geeignet für Kinder unter 9 Jahren. Nur unter Aufsicht von Erwachsenen verwenden.
4. Schützen Sie das Produkt vor Feuchtigkeit und direkter Sonneneinstrahlung.
5. Vermeiden Sie starke Stöße oder Stürze des Produkts.
6. Setzen Sie das Produkt nicht extremen Temperaturen oder Temperaturschwankungen aus.
7. Warnung: Nicht auf die Augen oder das Gesicht zielen.
8. Warnung: Nicht in der Nähe der Augen abfeuern.

⚠️ Sicherheitshinweise für Batterien

1. LEBENSGEFAHRE! Halten Sie Batterien außerhalb der Reichweite von Kindern. Bei einem Verschlucken sofort einen Arzt aufsuchen!
2. Kann verschluckt werden und Verbrennungen, Perforation des Weichgewebes und zum Tod führen. Schwere Verbrennungen können innerhalb von 2 Stunden nach dem Verschlucken auftreten.
3. EXPLOSIONSGEFAHRE! Laden Sie niemals nicht wiederaufladbare Batterien auf. Batterien/Akkus nicht kurzschließen und/oder öffnen. Überhitzung, Brandgefahr oder Explosion können die Folge sein.
4. Batterien wegwerfen! Niemals Batterien dem Feuer oder Wasser aussetzen.
5. Gefahr des Auslaufens von Batterien/Akkus. Vermeiden Sie extreme Bedingungen und Temperaturen, die die Temperatur der Batterien/Akkus beeinflussen. Batterien können z.B. auf einem Heizkörper oder durch direkte Sonneneinstrahlung auslaufen.
6. Wenn Batterien/Akkus abgeladen sind, vermeiden Sie den Kontakt von Haut, Augen und Schleimhäuten mit den Chemikalien! Betroffene Stellen sofort mit sauberem Wasser spülen und einen Arzt konsultieren! Wenn Batterien/Akkus auslaufen, entfernen Sie sie sofort aus dem Produkt, um Schäden zu vermeiden.
7. Verwenden Sie nur das vom Batteriehersteller angegebene Ladegerät.
8. Überladen oder Tiefentladen Sie die Batterie nicht.

Français:

⚠️ Instructions générales de sécurité

1. DANGER D'ÉTOUFFEMENT ! Gardez toujours les enfants à l'écart des matériaux d'emballage. Le matériel d'emballage n'est pas un jouet.
2. N'utilisez pas le produit dans des endroits où il y a un risque d'incendie ou d'explosion.
3. Avertissement : Ne convient pas aux enfants de moins de 9 ans. À utiliser sous la surveillance d'un adulte.
4. Protégez le produit de l'humidité et de la lumière directe du soleil.
5. Évitez les chocs violents ou les chutes du produit.
6. N'exposez pas le produit à des températures extrêmes ou à des fluctuations de température.
7. Avertissement: Ne visiez pas les yeux ou le visage.
8. Avertissement: Ne tirez pas près des yeux.

⚠️ Notes de sécurité pour les batteries

1. RISQUE DE MORT ! Gardez les piles hors de portée des enfants. En cas d'ingestion, consultez immédiatement un médecin !
2. Peut être avalé et provoquer des brûlures, une perforation des tissus mous et entraîner la mort. Des brûlures graves peuvent survenir dans les 2 heures suivant l'ingestion.
3. DANGER D'EXPLOSION ! Ne jamais recharger des piles non rechargeables. Ne pas court-circuiter ou ouvrir les piles/rechargeables. Risque de surchauffe, d'incendie ou d'explosion.
4. Jetez les piles/Ne jamais exposer les piles au feu ou à l'eau.
5. Risque de fuite des piles/rechargeables. Évitez les conditions extrêmes et les températures qui affectent la température des piles/rechargeables. Les piles peuvent fuir, par exemple sur un radiateur ou par exposition directe au soleil.
6. Si les piles/rechargeables sont périmées, évitez le contact de la peau, des yeux et des muqueuses avec les produits chimiques ! Rincez immédiatement les zones touchées à l'eau claire et consultez un médecin ! Si les piles/rechargeables fuient, retirez-les immédiatement du produit pour éviter tout dommage.
7. Utilisez uniquement le chargeur spécifié par le fabricant de la batterie.
8. Ne surchargez pas et ne déchargez pas trop la batterie.

Italiano:

⚠️ Istruzioni generali di sicurezza

1. PERICOLO DI SOFFOCAMENTO! Tenere sempre i bambini lontani dai materiali di imballaggio. Il materiale di imballaggio non è un giocattolo.
2. Non utilizzare il prodotto in luoghi in cui vi è rischio di incendio o esplosione.
3. Avvertenza: Non adatto a bambini di età inferiore ai 9 anni. Utilizzare sotto la supervisione di un adulto.
4. Proteggere il prodotto dall'umidità e dalla luce solare diretta.
5. Evitare urti violenti o cadute del prodotto.
6. Non esporre il prodotto a temperature estreme o a sbalzi di temperatura.
7. Avvertimento: Non mirare agli occhi o al viso.
8. Avvertimento: Non sparare vicino agli occhi.

⚠️ Note di sicurezza per le batterie

1. RISCHIO DI MORTE! Tenere le batterie fuori dalla portata dei bambini. In caso di ingestione, consultare immediatamente un medico!
2. Può essere ingerito e causare ustioni, perforazioni dei tessuti molli e portare alla morte. Ustioni gravi possono verificarsi entro 2 ore dall'ingestione.
3. PERICOLO DI ESPLOSIONE! Non caricare mai batterie non ricaricabili. Non cortocircuitare o aprire batterie/batterie ricaricabili. Il sovraccaldamento, il rischio di incendio o di esplosione possono essere il risultato.
4. Buttare via le batterie/Non esporre mai le batterie al fuoco o all'acqua.
5. Rischio di perdita di batterie/batterie ricaricabili. Evitare condizioni e temperature estreme che influenzano la temperatura delle batterie/batterie ricaricabili. Le batterie possono perdere, ad esempio su un radiatore o per esposizione diretta al sole.
6. Se le batterie/batterie ricaricabili sono scadute, evitare il contatto della pelle, degli occhi e delle mucose con le sostanze chimiche! Sciacquare immediatamente le aree colpite con acqua pulita e consultare un medico! Se le batterie/batterie ricaricabili perdono, rimuoverle immediatamente dal prodotto per evitare danni.
7. Utilizzare solo il caricabatterie specificato dal produttore della batteria.
8. Non sovraccaricare o scaricare eccessivamente la batteria.

Español:

⚠️ Instrucciones generales de seguridad

1. PELIGRO DE ASFIXIA! Mantenga siempre a los niños alejados de los materiales de embalaje. El material de embalaje no es un juguete.
2. No utilice el producto en lugares donde haya riesgo de incendio o explosión.
3. Advertencia: No apto para niños menores de 9 años. Utilícelo bajo la supervisión de un adulto.
4. Proteja el producto de la humedad y de la luz solar directa.
5. Evite golpes o caídas fuertes del producto.
6. No exponga el producto a temperaturas extremas o fluctuaciones de temperatura.
7. Advertencia: No apunte a los ojos o a la cara.
8. Advertencia: No dispare cerca de los ojos.

⚠️ Notas de seguridad para baterías

1. RIESGO DE MUERTE! Mantenga las pilas fuera del alcance de los niños. En caso de ingestión, consulte a un médico de inmediato.
2. Puede ser tragado y causar quemaduras, perforación de los tejidos blandos y provocar la muerte. Las quemaduras graves pueden ocurrir dentro de las 2 horas posteriores a la ingestión.
3. PELIGRO DE EXPLOSIÓN! Nunca cargue pilas no recargables. No cortocircuite ni abra las pilas/pilas recargables. El sobrecalentamiento, el riesgo de incendio o explosión pueden ser el resultado.
4. Deseche las pilas/Nunca exponga las pilas al fuego o al agua.
5. Riesgo de fuga de pilas/pilas recargables. Evite condiciones extremas y temperaturas que afecten la temperatura de las pilas/pilas recargables. Las pilas pueden tener fugas, por ejemplo, en un radiador o por exposición directa a la luz solar.
6. Si las pilas/pilas recargables están caducadas, evite el contacto de la piel, los ojos y las membranas mucosas con los productos químicos. Enjuague inmediatamente las áreas afectadas con agua limpia y consulte a un médico! Si las pilas/pilas recargables tienen fugas, retirelas inmediatamente del producto para evitar daños.
7. Utilice solo el cargador especificado por el fabricante de la batería.
8. No sobrecargue ni descargue en exceso la batería.

Nederlands:

⚠️ Algemene veiligheids waarschuwingen

1. VERSTIKKINGSGEVAAR! Houd kinderen altijd uit de buurt van verpakkingsmateriaal. Het verpakkingsmateriaal is geen speelgoed.
2. Gebruik het product niet op plaatsen waar brand- of ontploffingsgevaar bestaat.
3. Waarschuwing: Niet geschikt voor kinderen onder de 9 jaar. Gebruik onder toezicht van een volwassene.
4. Bescherm het product tegen vocht en direct zonlicht.
5. Vermijd sterke schokken of vallen van het product.
6. Stel het product niet bloot aan extreme temperaturen of temperatuurschommelingen.
7. Waarschuwing: Niet op de ogen of het gezicht richten.
8. Waarschuwing: Niet in de buurt van de ogen afvuren.

⚠️ Veiligheidsopmerkingen voor batterijen

1. LEVENSBEDREIGEND! Houd batterijen buiten het bereik van kinderen. Raadpleeg onmiddellijk een arts in geval van inslikken!
2. Kan worden ingeslikt en brandwonden, perforatie van zacht weefsel en de dood veroorzaken. Ernstige brandwonden kunnen binnen 2 uur na inslikken optreden.
3. EXPLOESIEGEVAAR! Laad nooit niet-oplaadbare batterijen op. Sluit batterijen/oplaadbare batterijen niet kort en/of open ze niet. Oververhitting, brandgevaar of ontploffing kunnen het gevolg zijn.
4. Gooi batterijen weg/Stel batterijen nooit bloot aan vuur of water.
5. Risico op lekkage van batterijen/oplaadbare batterijen. Vermijd extreme omstandigheden en temperaturen die de temperatuur van de batterij/oplaadbare batterij beïnvloeden. Batterijen kunnen bijvoorbeeld op een radiator of door direct zonlicht gaan lekken.
6. Als batterijen/oplaadbare batterijen zijn verlopen, vermijd dan contact van huid, ogen en slijmvliezen met de chemicaliën! Spoel de getroffen gebieden onmiddellijk met schoon water en raadpleeg een arts! Als batterijen/oplaadbare batterijen lekken, verwijder ze dan onmiddellijk uit het product om schade te voorkomen.
7. Gebruik alleen de door de batterijfabrikant gespecificeerde oplader.
8. Laad de batterij niet te veel op en ontlad de batterij niet te veel.

KIPRIM

Svenska:

⚠️ Allmänna säkerhetsvarningsinstruktioner

1. Kvävningensrisk! Håll alltid barn borta från förpackningsmaterial. Förpackningsmaterial är ingen leksak.
2. Använd inte produkten på platser där det finns risk för brand eller explosion.
3. Varning: Ej lämplig för barn under 9 år. Använd under uppsikt av vuxen.
4. Skydda produkten från fukt och direkt solljus.
5. Undvik kraftiga stötar eller fall av produkten.
6. Utsätt inte produkten för extrema temperaturer eller temperatursvängningar.
7. Varning: Sikta inte mot ögon eller ansikte.
8. Varning: Avfyr inte nära ögonen.

⚠️ Säkerhetsanvisningar för batterier

1. RISK FÖR DÖDSFALL! Förvara batterier utom räckhåll för barn. Vid förtäring, kontakta omedelbart läkare!
2. Kan sväljas och orsaka brännskador, perforation av mjukvävnad och leda till döden. Svåra brännskador kan uppstå inom 2 timmar efter förtäring.
3. EXPLOSIONSFARA! Ladda aldrig icke-uppladdningsbara batterier. Kortsätt inte batterier/uppladdningsbara batterier och/eller öppna dem inte. Överhettning, brandrisk eller explosion kan bli resultatet.
4. Kassera batterier/Utsätt aldrig batterier för eld eller väten.
5. Risk för läckage av batterier/uppladdningsbara batterier. Undvik extrema förhållanden och temperaturer som påverkar temperaturen på batterier/uppladdningsbara batterier. Batterier

Polski:

⚠️ Ogólne instrukcje dotyczące bezpieczeństwa

1. NIEBEZPIECZEŃSTWO ZADŁAWIENIA! Zawsze trzymaj dzieci z dala od materiałów opakowaniowych. Materiały opakowaniowe to nie zabawki.
2. Nie używaj produktu w miejscach, gdzie istnieje ryzyko pożaru lub wybuchu.
3. Ostrzeżenie: Nieodpowiednie dla dzieci poniżej 9 lat. Używać pod nadzorem osoby dorosłej.
4. Chronić produkt przed wilgocią i bezpośrednim działaniem promieni słonecznych.
5. Unikać silnych wstrząsów lub upadków produktu.
6. Nie wystawiać produktu na ekstremalne temperatury lub wahania temperatury.
7. Ostrzeżenie: Nie celuj w oczy ani twarz.
8. Ostrzeżenie: Nie strzelaj w pobliżu oczu.

⚠️ Wskazówki bezpieczeństwa dotyczące baterii

1. RYZYKO ŚMIERCI! Trzymaj baterie poza zasięgiem dzieci. W przypadku połknięcia natychmiast skonsultuj się z lekarzem!
2. Może zostać połknięty, powodując oparzenia, perforację błony śluzowej i prowadzić do śmierci. Ciężkie oparzenia mogą wystąpić w ciągu 2 godzin od połknięcia.
3. NIEBEZPIECZEŃSTWO EKSPLOZJI! Nigdy nie ładuj baterii, które nie są przeznaczone do ładowania. Nie zwieraj baterii/akumulatorów (lub ich nie otwieraj). Może to spowodować zrzucenie, ryzyko pożaru lub wybuchu.

Türkçe:

⚠️ Genel Güvenlik Uyarı Talimatları

1. BOĞULMA TEHLİKESİ! Çocukları her zaman ambalaj matzemlerinden uzak tutun. Ambalaj matzemesi oyuncak değildir.
2. Ürünü yangın veya patlama riski olan yerlerde kullanmayın.
3. Uyarı: 9 yaş altındaki çocuklar için uygun değildir. Yetişkin gözetiminde kullanılmalıdır.
4. Ürünü nemden ve doğrudan güneş ışığından koruyun.
5. Ürünün sert darbelerle veya düşmelerle maruz kalmasından kaçın.
6. Ürünü aşırı sıcaklıklara veya soğuklara maruz bırakmayın.
7. Uyarı: Gözleri veya yüze doğrultmayın.
8. Uyarı: Gözlerin yakınında ateş etmeyin.

⚠️ Piller için güvenlik notları

1. ÖLÜM RİSKİ! Pilleri çocukların erişiminde olduğu yerlerde saklayın. Yutulması durumunda derhal bir doktora başvurun!
2. Yutulabilir ve yanıklara, yumuşak doku delinmesine ve ölüme neden olabilir. Yutulmasından sonraki 2 saat içinde ciddi yanıklar oluşabilir.
3. PATLAMA TEHLİKESİ! Şarj edilemeyen pilleri asla şarj etmeyin. Pilleri/şarj edilebilir pilleri kısa süre yapılmayan ve/veya açmayın. Aşırı ısınma, yangın tehlikesi veya patlama meydana gelebilir.
4. Pilleri atın/Pilleri asla ateşe veya suya maruz bırakmayın.
5. Pilleri/şarj edilebilir pilleri sıcaklıkların etkilerinden korunulmuş ve soğuklardan kaçın. Piller, örneğin bir radyatör üzerinde veya doğrudan güneş ışığına maruz kaldığında süzülür.

kan läcka, till exempel på en radiator eller genom direkt solljus.
6. Om batterier/upppladdningsbara batterier har gått ut, undvik kontakt mellan huden, ögonen och slemhinnorna med kemikalier! Skölj omedelbart de berörda områdena med rent vatten och kontakta läkare! Om batterier/upppladdningsbara batterier läcker, ta bort dem omedelbart från produkten för att undvika skador.
7. Använd endast den laddare som anges av batteritillverkaren.
8. Överladda eller djupurladda inte batterier.

4. Wyrzuć baterie/Nigdy nie wystawiaj baterii na działanie ognia lub wody.
5. Ryzyko wycieku z baterii/akumulatorów. Unikaj ekstremalnych warunków i temperatur, które wpływają na temperaturę baterii/akumulatorów. Baterie mogą przeciekać, na przykład na grzejniku lub w bezpośrednim świetle słonecznym.
6. Jeśli baterie/akumulatory są przeterminowane, unikaj kontaktu skóry, oczu i błon śluzowych z chemikaliami! Natychmiast przemyj dotknięte obszary czystą wodą i skonsultuj się z lekarzem! Jeśli baterie/akumulatory wyeksploatują, natychmiast usuń je z produktu, aby uniknąć uszkodzeń.
7. Używaj tylko ładowarki określonej przez producenta baterii.
8. Nie przeladuj ani nie rozładuj nadmiernie baterii.

6. Piller/şarj edilebilir piller süresi dolmuşsa, cilt, gözler ve mukoza zarları ile kimyasalların temasından kaçınılmalı! Etkilenen bölgeleri hemen temiz su ile durulayın ve bir doktora danışın! Piller/şarj edilebilir piller sızarsa, hemen ölmek için ürünüden hemen çıkarın.
7. Sadece pill üreticisi tarafından belirtilen şarj cihazını kullanın.
8. Pili aşırı şarj etmeyin veya aşırı deşarj etmeyin.

Image: Excerpt from the multi-language safety instructions provided with the Kiprim LD50E, highlighting general and battery safety.

2. PRODUCT OVERVIEW

The Kiprim LD50E is a compact and accurate laser distance measure designed for various measurement tasks. It features a large backlit LCD display, multiple measurement functions, and a durable, ergonomic design.



Image: The Kiprim LD50E Laser Distance Measure shown with its accessories, including AAA batteries, a carrying bag, and a wrist strap.

2.1 Device Components



Image: A detailed view of the Kiprim LD50E, labeling its large backlit screen, two bubble levels, and control buttons for various functions like 'READ' (Turn on/Measuring), 'Area/Volume/Pythagorean Mode/Save', 'Reference Point/Unit Switch', 'Addition & Subtraction/Sound', and 'OFF/CLEAR' (Turn off/Remove).

- **Laser Emitter/Receiver:** Located at the top of the device.
- **LCD Display:** Large, backlit screen for clear readings.
- **Control Buttons:** For various functions and settings.
- **Bubble Levels:** Two integrated bubble levels for horizontal and vertical alignment.
- **Battery Compartment:** Located at the rear for AAA batteries.

3. GETTING STARTED

3.1 Battery Installation

1. Open the battery compartment cover on the back of the device.
2. Insert two 1.5V AAA alkaline batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

3.2 Power On/Off

- **Power On:** Press the **READ** button to turn on the device and activate the laser.
- **Power Off:** Press and hold the **OFF/CLEAR** button for 2 seconds to turn off the device. The device will automatically shut down after 150 seconds of inactivity to conserve power.

4. BASIC OPERATION

4.1 Single Distance Measurement

1. Point the laser at the target surface.
2. Press the **READ** button once. The measurement will be displayed on the screen.

4.2 Changing Measurement Reference Point

The device can measure from its front edge or its rear edge. Short press the **U** button to switch between the front and rear reference points. An icon on the display will indicate the current reference point.

4.3 Switching Units

Long press the **U** button to cycle through measurement units: meters (m), inches (in), feet (ft), and feet+inches (ft+in).

2 REFERENCE POINT
Short press the key to change the reference point.

Long press to change unit among

m	in	ft	ft+in

Image: The Kiprim LD50E display illustrating how to change the measurement reference point (from front or rear of the device) and how to switch between different units of measurement (meters, inches, feet, and feet+inches).

5. MEASUREMENT FUNCTIONS

The Kiprim LD50E offers multiple measurement modes for various applications.

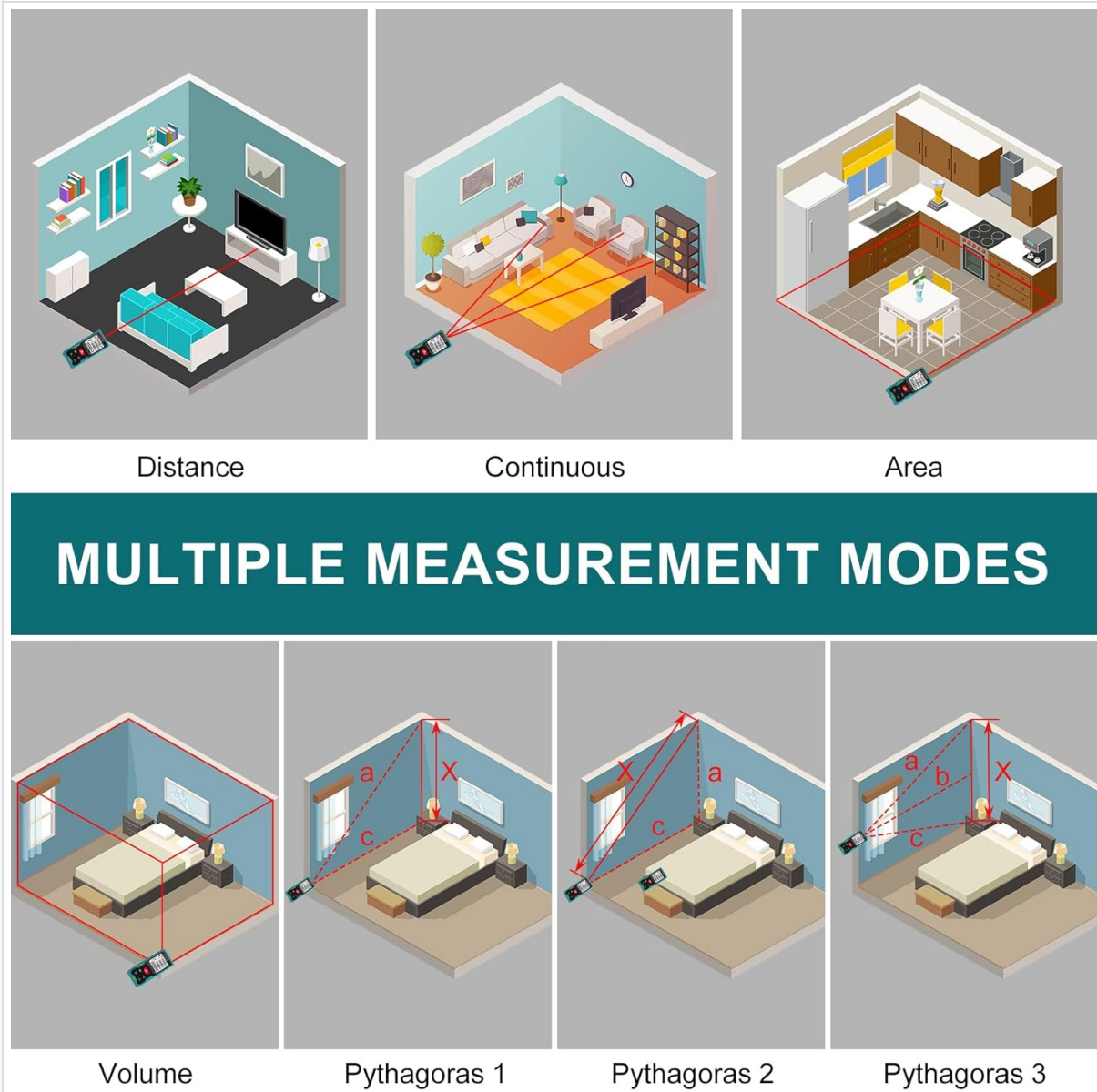


Image: Visual representation of the various measurement modes available on the Kiprim LD50E, including single distance, continuous, area, volume, and different Pythagorean methods.

5.1 Mode Selection

Press the **Mode/Save** button to cycle through the available measurement functions: Distance, Area, Volume, Continuous Measurement, and Pythagorean (indirect) measurement.

5.2 Continuous Measurement

In continuous measurement mode, the device will continuously measure and display the distance as you move it, showing maximum and minimum values.

5.3 Area Measurement

1. Select Area mode.
2. Measure the length.
3. Measure the width. The device will automatically calculate and display the area.

5.4 Volume Measurement

1. Select Volume mode.
2. Measure the length.
3. Measure the width.
4. Measure the height. The device will automatically calculate and display the volume.

5.5 Pythagorean Measurement (Indirect)

This mode allows for indirect measurement of heights or distances using the Pythagorean theorem. Follow the on-screen prompts to measure the required sides (hypotenuse and one leg) to calculate the unknown side.

5.6 Addition and Subtraction

After taking a measurement, press the **+/-** button to add or subtract subsequent measurements. The result will be displayed.



Image: The Kiprim LD50E display demonstrating the addition and subtraction function, showing how multiple measurements can be combined.

5.7 Data Storage and Recall

The device can store up to 99 sets of measurement data. Press the **Mode/Save** button (after a measurement) to save the current reading. Use the arrow buttons (if available, or cycle through modes) to recall stored data. Press **OFF/CLEAR** to delete the current data.



Data Record up to 99 units

Supports data storage and clearing function, supports data addition and subtraction function

Image: The Kipri LD50E display showing a list of up to 99 stored measurement data entries, illustrating its data record capability.

6. DISPLAY INDICATORS

The large backlit LCD display provides clear information about the device's status and measurements.

Large Backlit Screen

Can also be used in dark environments



Image: The Kiprim LD50E's large backlit screen illuminated in a dark setting, demonstrating its readability in low-light conditions.

- **Battery Level Indicator:** Shows the remaining battery power.
- **Laser Status:** Indicates if the laser is active.
- **Measurement Reference:** Icon showing whether measurement is from the front or rear of the device.
- **Unit Display:** Shows the current unit of measurement (m, in, ft, ft+in).
- **Measurement Values:** Displays current and previous measurement results.
- **Mode Indicator:** Shows the active measurement function (e.g., Area, Volume, Pythagorean).

7. MAINTENANCE AND CARE

7.1 Cleaning

- Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the laser lens carefully with a soft cloth, similar to cleaning camera lenses.

7.2 Storage

- Store the device in its carrying bag in a cool, dry place when not in use.
- Remove batteries if storing for extended periods to prevent leakage.

7.3 IP54 Protection

The Kiprim LD50E is rated IP54, providing protection against dust ingress and splashing water from any direction. This makes it suitable for use in various work environments, but it should not be submerged in water.



Image: The Kiprim LD50E shown in dusty and wet conditions, illustrating its IP54 rating for protection against dust and water splashes.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on	Low or dead batteries; incorrect battery polarity.	Replace batteries with new ones; ensure correct polarity.
Inaccurate measurements	Incorrect reference point; unstable surface; laser beam obstructed; environmental factors (e.g., strong light).	Check reference point setting; ensure stable measurement; clear obstructions; measure in suitable conditions.
Display shows "Error"	Measurement out of range; laser signal too weak or too strong.	Ensure target is within measuring range (0.05m to 50m); measure on a suitable reflective surface.
No laser beam	Device not powered on; laser emitter fault.	Press READ button to activate laser; if problem persists, contact customer support.

9. TECHNICAL SPECIFICATIONS

Feature	Specification
Measuring Range	0.05m - 50m (0.16ft - 165ft)

Feature	Specification
Accuracy	±1/16 inches (±2mm)
Measurement Units	m / in / ft / ft+in
Laser Class	Class II, <1mW
Automatic Shutdown	Laser: 20 seconds; Device: 150 seconds
Data Memory	99 sets
Battery Type	2 x 1.5V AAA Alkaline batteries
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
IP Rating	IP54 (Dust and splash protected)
Dimensions	Approx. 115 x 50 x 28 mm (4.5 x 2.0 x 1.1 inches)
Weight	Approx. 100g (3.53 ounces) (without batteries)
Material	Acrylonitrile Butadiene Styrene

10. WARRANTY AND SUPPORT

Kiprim provides a **24-month warranty** for the LD50E Laser Distance Measure from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For technical support, warranty claims, or any questions regarding your Kiprim LD50E, please contact Kiprim customer service. Refer to the contact information provided in your product packaging or visit the official Kiprim website for assistance.