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User Manual



Tool for two-distance
simultaneous measuring

CONTENTS

1	Product description	3
1.1	General description	3
1.2	Dallas 2 construction	4
1.3	Dallas 2 use	4
1.4	Directions for use	5
2	Technical characteristics	7
3	Safety and environmental protection	8
3.1	General safety rules	8
3.2	Storage	9
4	Transport, cleaning and maintenance	10
4.1	Maintenance	10
4.2	Storage	10
4.3	Transportation	10
5	Utilization and scrapping	12
5.1	Utilization and scrapping	11
5.2	Product packaging	11
6	From manufacturer	12

Please read the instruction manual!

Dear Customers,

Thank you for choosing IN DEVICE brand. We hope that our product using the latest technologies will prove to be extremely satisfactory.

Dallas2 is an innovative tool for measuring two distances simultaneously, which uses two laser rangefinders. It is intended for use in construction and industry. Please read the user manual before using the tool. When handing over the product to another user, please also hand over these instructions. Please follow all warnings and information included in the manual.



Warnings for situations that threaten safety, life and property damage



Important information and tips useful for use



The device has been manufactured in modern, environmentally safe plants without affecting nature.

The device is compatible with the Machinery Directive 2006/42 / EC



Country of origin: Poland

1.1 General description

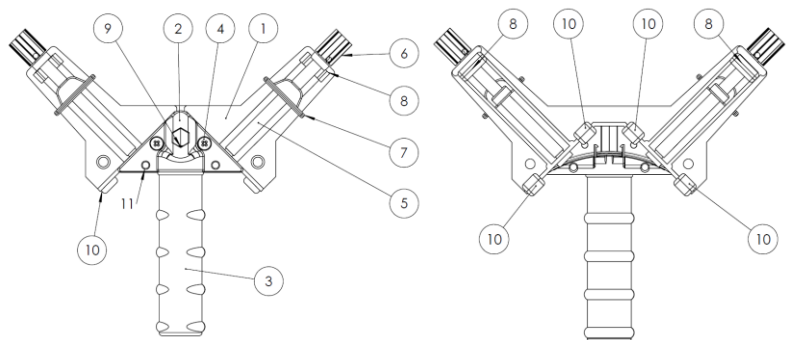
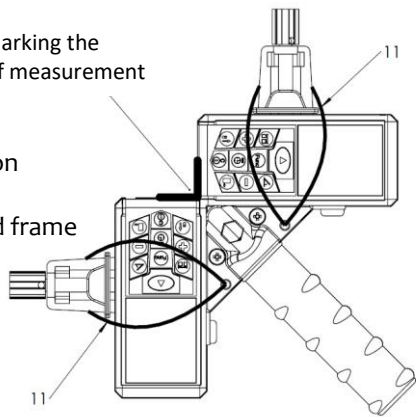


Table of Dallas 2 items

- 1. Frame
- 2. Frame and handle connection
- 3. Handle
- 4. Bolts connecting handle and frame
- 5. Rangefinders clamp bolt
- 6. Pressure knob
- 7. Sliding clamps
- 8. Arm sliding spacers
- 9. Handle fixing bolt
- 10. Body sliding spacers
- 11. Straps for inserting rangefinders in the socket

Lines marking the point of measurement



1.2 Dallas 2 construction

Dallas2 is made of an aluminum structure that serves as the mounting piece for rangefinders. Rangefinders are tightened by means of clamps moved by a screw with a knob. The applied handle allows the user to maneuver the marker. The distances placed on the bottom of the marker protect the measuring surface against scratches while maneuvering the marker. The straps that are pulled on the arms of the structure additionally protect the laser rangefinders against falling out of their sockets and help fixing them to the frame. The stabilizing straps do not obscure visibility or limit the operation of rangefinders.

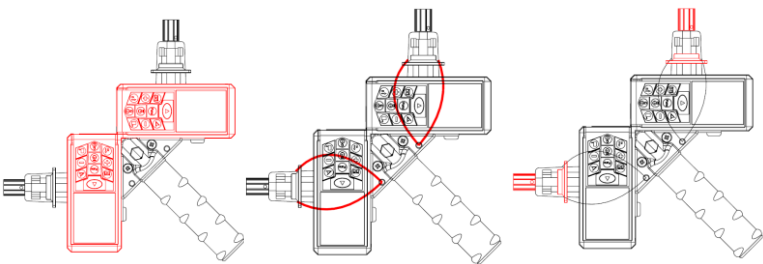
1.3 Dallas 2 use

Each measurement of the distance of a target point on the surface of a wall or a ceiling is made by indicating at least two coordinates X and Y with the given values. Most frequently, the coordinates are 90 degrees to each other. The Dallas 2 marker is used to mark such points by directly measuring in two directions. It is intended for use in construction and industry. Using the Dallas 2 shortens the measurement time. It increases the safety of measurements in difficult conditions by, for example, reducing the use of conventional measures to distant surfaces in several directions. When using Dallas 2, setting the target point is made only once, there is no need to remove unnecessary lines as with conventional methods.

1 Product description

1.4 Directions for use

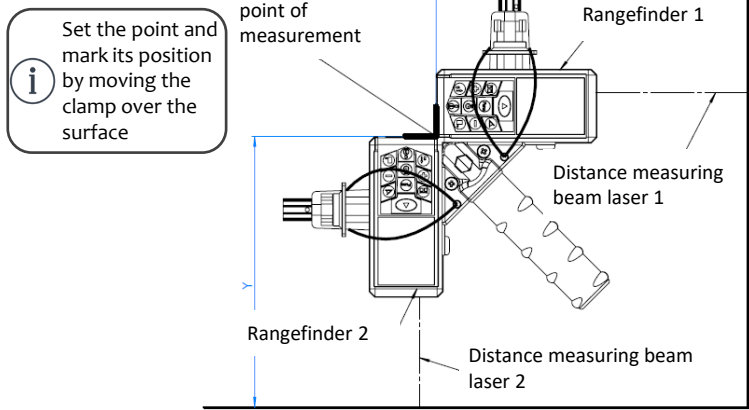
i To measure with Dallas2 device, place the laser rangefinders on each arm of the clamp, secure the rangefinders and make the measurement.



- i** **1.** Place the rangefinders in the clamp slots.
- i** **2.** Pull the stabilizing straps on the rangefinder.
- i** **3.** Press the socket to the rangefinders by turning the knobs
- i** **4.** Turn the rangefinders on in a mode of a continuous distance measurement and, by moving the clamp over the surface, set the desired point and mark its position.

Dallas2 is designed for the use of two laser rangefinders regardless of their size. After inserting and turning on the rangefinders in the marker, the user, by moving the marker over the surface, directly sets the X and Y values and the target point can be immediately marked on the surface.

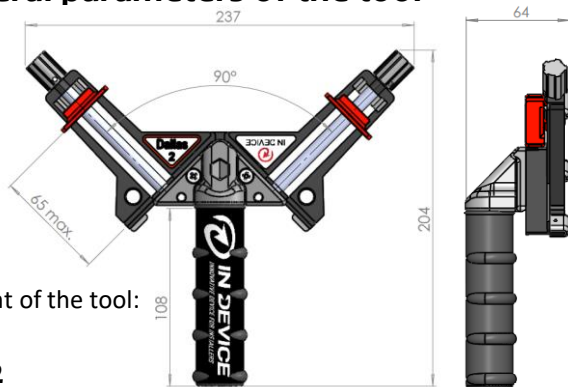
1 Product description



i Select a parameter on the surface

2 Technical characteristics

2.1 General parameters of the tool



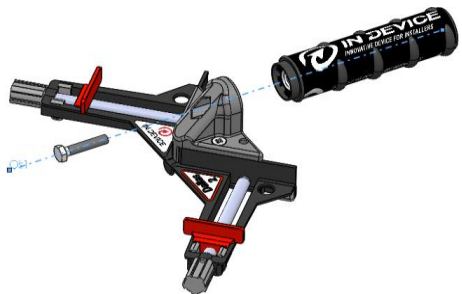
Net weight of the tool:
0,25kg

Dallas2

is a Y-shape device of the dimensions and parameters presented in the picture.

2.2 Assembling the tool after delivery

Screw the part of the tool body with the handle using the attached screw. No tool is needed for screwing. Place the screw in the target hole and tighten the handle by hand until you feel resistance



3 Safety and environmental protection



This section contains safety instructions that will help protect you from personal injury or property damage. Failure to follow these instructions voids the granted warranty.

3.1 General safety rules

Operating the Dallas 2 device and all additional operations must be performed strictly in accordance with the general principles of work safety

- The tool complies with international safety standards.
- The tool should be used in accordance with the general principles of occupational health and safety.
- Wear protective footwear and work clothes when using the Dallas 2 tool.
- Adjustment must be carried out in accordance with the instructions and in a safe place
- The place of use must be free of any foreign objects within the fitter's work area.
- Follow the correct order of work as described in the manual to avoid undesirable events.
- Dropping the tool can result in injury if safety shoes and workwear are not used.
- The Dallas 2 tool should only be used by one person.
- The tool does not need to be connected to the power supply.
- Work before and after the use of Dallas 2 should be carried out taking into account the principles of health and safety and using personal protective equipment (safety glasses, gloves, safety shoes, work clothes)
- The use of chemicals related to the operation of the Dallas 2 tool should be in accordance with the instructions of the manufacturers of these agents and in compliance with health and safety rules.

3 Bezpieczeństwo i ochrona środowiska

- Be careful when tightening the clamps of the hand clamp.
- The device should be cleaned with the use of appropriate tools and cleaning agents, as listed in the section on cleaning and maintenance.
- Use only original spare parts or those recommended by the manufacturer.
- Keep the package with the tool out of the reach of children.
- The tool may contain sharp edges and metal filings on the surface.
- The tool should be stored and transported in accordance with the manufacturer's recommendations.
- The tool was manufactured in industrial conditions with all safety conditions.

3.2 Storage

The Dallas 2 tool is delivered by the manufacturer in unit packages or in a professional box, depending on the type of order. It is recommended to store the tool in a separate, rigid unit package to ensure the durability of the tool.



4 Transport, cleaning and maintenance

4.1 Maintenance

After each use, the tool should be washed with water and dried or wiped with a cloth. Scrape off deposits with a copper brush.

4.2 Storage

- If the tool is not in use for an extended period of time, it should be stored in a safe and dry place.
- Keep the tool away from heavy, sharp objects.
- Place the tool in the appropriate place in a chest or a box.
- The tool must be kept out of the reach of children.
- Do not expose the tool to direct sunlight.
- Do not keep the tool in places where the temperature is above 35 degrees Celsius.

4.3 Transportation

- Transport the tool in packaging protecting against physical damage.
- Do not place heavy loads on the tool or package. This can damage the entire tool or its components.
- Dropping the tool may disturb its functioning or result in permanent damage.

5.1 Utilization and scrapping



The adopted construction solutions and high-quality components allow for proper functioning of the device for a period of about 10 years. Nevertheless, changes that may occur much earlier and cannot be predicted today such as changes in the customer's needs, or changes in regulations and standards forcing the equipment to be adapted or withdrawn from use, may result in the necessity to dispose of it and scrap it. This also applies to replaced or repaired parts or assemblies of the device. The buyer is obliged to perform these procedures in accordance with the legal status applicable at the time and place.

5.2 Product packaging



The packaging of the tool is made of recyclable materials. Packaging must be disposed of in accordance with local environmental regulations, so that all the materials can be recycled.



All components of the tool can be recycled.