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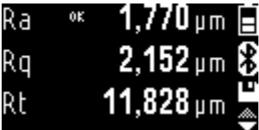In the figure you can see a typical instrument screen after the switch-on sequence:

Figure 1. Main screen.

Much of the screen is used, depending on the level we're on, by the measurement parameters list or by the menu items or by options list.

To the right side there are some system icons that are always displayed in every screen: respectively from the top there is the battery level icon, the bluetooth status icon and the profile save mode icon.

If in the screen there is a vertical scrolling menu list, to the lower right side the related scrolling indicator, represented by two little overlapped triangles, is displayed: if the upper triangle becomes grey it means that we are at the beginning of the list, whereas if the lower triangle becomes grey it means that we reached the end of the list.

PART IIIHOW TO

1. CALIBRATE THE INSTRUMENT

To go to the calibration screen press ✓ to enter main menu, then press repeatedly » until you reach the **Calibration** item and finally press ✓ to confirm.
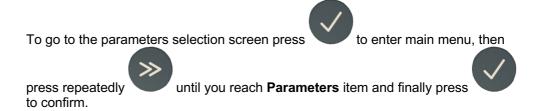

Figure 2. Roughness calibration screen.

You have to perform the following steps:

1. **Insert the nominal value:** move with » to the box with numerical value, inside the box move to the desired digit with » then press ✓ until you reach the desired value.

2. **Start measure:** after setting the nominal value press » to move to **start measure** item then press ✓ to confirm.

2. SELECT PARAMETERS AND RELATED TOLERANCES

To go to the parameters selection screen press [✓] to enter main menu, then press repeatedly [»] until you reach **Parameters** item and finally press [✓] to confirm.

We'll get the following screen:

Figure 3. Parameters selection list screen.

Parameters selected for being displayed are those marked by [👁] icon, whereas those not selected are marked by the [⊘] icon.

To go to the parameters options setting screen move to the desired parameter with [»] then confirm by pressing [✓].

We'll get the following screen:

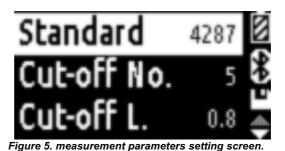*Figure 4. Parameter options setting screen.*

To enable / disable the parameter move to the ⬥ icon with ≫ then press ✓ .

To enable / disable the tolerance check move with ≫ to the little box on the left marked by the label **Tol** then press ✓ .

To set the upper and lower tolerance limits values move with ≫ to reach the numeric boxes, then keep moving with ≫ inside them to reach the desired po-sition of the digit whose value you want to change and finally press ✓ until you reach the desired value.

Press then ▶ to return to main menu.

3. PERFORM THE MEASUREMENT

To verify that all the measurement parameters are correct go from main menu through ≫ to the relative setting screen by selecting the item **Set measure** and pressing ✓ to confirm.

We'll get the following screen:

Figure 5. measurement parameters setting screen.

1. **Measurement standard selection.** move with ![>>] to the item **Stand-**

   ard then press ![✓] to confirm.
   The following screen is displayed:

Figure 6. measurement standard setting screen.

   move to the desired item with ![>>] then confirm by pressing ![✓]. If
   you select the standard **ISO 4287** it is also possible to select the measure-
   ment unit; also in this case you move to the item to be activated with

   ![>>] and confirm by pressing ![✓]. Press then ![▷] to return to
   the setting screen.

2. **Cut-off length selection** (standard ISO 4287). Move with ![>>] to the

   Cut-off L. item then press ![✓] to confirm.

   The following screen is displayed:
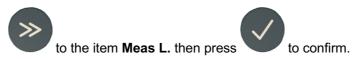

Figure 7. cut-off length setting window.

   Move to the desired item with ![>>] then confirm by pressing ![✓].

   The currently selected value is represented with a larger size than the

   other values.

Press then [icon] to return to setting screen.

3. **Cut-off number selection** (standard ISO 4287). Move with [icon] to the item **Cut-off No.** then press [icon] to confirm.

The following screen is displayed:

Figure 8. cut-off length setting screen.

Move to the desired item with [icon] then confirm by pressing [icon]. The currently selected value is represented with a larger size than the other values.

Press then [icon] to return to setting screen.

4. **Measurement length selection** (standard ISO 12085). Move with [icon] to the item **Meas L.** then press [icon] to confirm. The following screen is displayed:
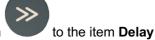

Figure 9. measurement lenght setting screen.

Move to the desired item with ⏩ then confirm by pressing ✓ .
The currently selected value is represented with a larger size than the other values.

Press then ▷ to return to setting screen.

5. **Start measure delay selection**. Move with ⏩ to the item **Delay** then press ✓ to confirm.
The following screen is displayed:

Figure 10. start measure delay setting screen.

Move to the desired item with ⏩ then confirm by pressing ✓ .
The currently selected value is indicated by the cursor position at the bottom .

Press then ▷ to return to setting screen.

6. **End of measurement automatic return selection.** Move with ⏩ to the item **Return** then press ✓ to confirm.
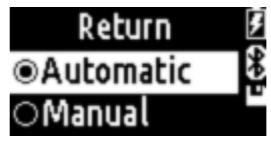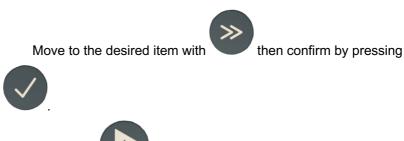The following screen is displayed:

Figure 11. End of measure automatic return mode setting screen.

Move to the desired item with then confirm by pressing

 .

Press then to return to main menu.

To verify the correct positioning of the pickup tip move from main menu with

to the appropriate control screen by selecting **Position** and pressing to confirm.

We'll get the following screen:

Figure 12. pickup tip position display screen.

Press to start the measurement.

Press to return to setting screen.

When all the operations are completed press ▶ *to return to starting screen*

then press again ▶ to *start the measurement*.

4. DISPLAY MEASUREMENT RESULTS

the measure results screen is automatically displayed at the end of the measure. If the measure results have been already loaded in memory and we are in a different screen, press repeatedly on ▶ until you reach the measure results screen.

If only one parameter has been enabled, the following screen will be displayed:

Figure 13. One parameter screen.

If two parameters have been enabled, the following screen will be displayed:

Figure 14. Two parameters screen.

If three or more parameters have been enabled, the following screen will be displayed:
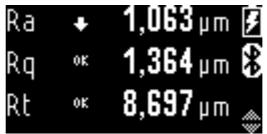
Figura 15. Three or more parameters screen.

5. CHANGE LANGUAGE

To go to the language selection screen press ✓ to enter main menu, then press repeatedly ≫ until you reach the item **System** then press ✓ to confirm.

We'll get the following screen:

Figure 15. system settings menu screen.

To go to the language selection screen press ≫ until you reach the item **Language** then press ✓ to confirm.

We'll get the following screen:

Figure 16. language setting screen.

press repeatedly   until you reach the desired language then press
to confirm.

At the end press   twice to return to main menu.

6. ENABLE - DISABLE BLUETOOTH

To go the bluetooth connection activation screen press   to enter main menu,

then press repeatedly   until you reach the item **System** then press
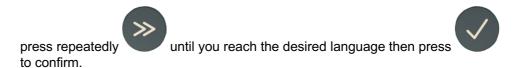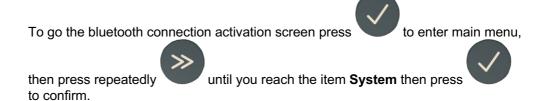to confirm.

We'll get the following screen:

Figure 15. system settings menu screen.

To enable/disable bluetooth press   until you reach the item **Bluetooth** then

press   to confirm.
Bluetooth is active when the little box alongside the writing is filled with a cross,
vice versa the box will be empty.