

## 6. Calibration ▼

The calibration mode is shown on the display with two triangles; one for each point. If the TT10 is not calibrated, a value and «CAL» will flash on the display.

The measured values will be wrong until the TT10 has been calibrated.

### Two point calibration

#### Conditions


- The range between the two calibration points must be more than 40% of full scale.
- The calibration value must be an absolute, multiple value of the selected scale's resolution.

#### Resolutions:

$\pm 500\mu\text{m}$ : 1 $\mu\text{m}$	$\pm 0.025$ in : 0.00001 in
$\pm 50\mu\text{m}$ : 1 $\mu\text{m}$	$\pm 0.0025$ in : 0.00005 in
$\pm 5\mu\text{m}$ : 0,1 $\mu\text{m}$	$\pm 0.00025$ in : 0.000005 in

- You may use one of the following means to calibrate the TT10: Calibration probes - gauge blocks - measurement standard.



*For the following example we are going to use two calibration probes with the values of 0  $\mu\text{m}$  and 500  $\mu\text{m}$  respectively.*

• To enter the calibration mode, switch off the TT10 with 

• Flip microswitch #3 behind the slide panel on the TT10's right hand side to «ON» («down» position).



• Switch the TT10 on again. The display now shows the icon ▼ and a value and «CAL» flash intermittently.

• Connect the «0» calibration probe .

• Enter the first calibration value (0) by pressing the  or  until the display shows the correct value (0).

• Press and hold the «PRINT» key until the icon ▼ appears on the display. The first point is now calibrated.

• Connect the 500  $\mu\text{m}$  calibration probe.

• Enter the second calibration value (500) by pressing  or  until the display shows the correct value (500).

• Press and hold the «PRINT» key until the icon ▼ disappears and «CAL» stops flashing. The second point is now calibrated.

• Switch off the TT10 and reposition microswitch #3 to «OFF» («up» position). The calibration is now complete.

• Connect the desired probe or gauge (TESADIA / Veribor / YA) to the TT10 and switch it on: You are ready to measure.

Note: The «ZOOM» function is disabled in calibration mode.