

browsing, if only press the Select key 3-13 again or wait till the code automatically change to `0` after several seconds or the meter will automatically return to measurement state if measuring.

5. CALIBRATION

- 5.1 Drop a little oil on the 5 mm standard block 3-7 .
- 5.2 Press the Calibration key 3-3, the `CAL` be shown on the Display. `CAL` is the short for calibration.
- 5.3 Press the sensor 3-8 on the standard block. The coupling symbol (●) is on if coupling well. `5.0` mm (or `0.197` inch) and `CAL` will be shown on the Display in turn. When steady, press CAL key 3-3 to confirm and then the unit return to the state of measurement.
- 5.4 The calibration result will be auto-saved to the unit once confirmation. It is unnecessary to calibrate often unless you suspect the accuracy of measurement.

6. MEASURING PROCEDURE

- 6.1 Press the power key 3-5 to turn on the unit.
- 6.2 Press the 0.1mm/0.01mm/inch convert key 3-10 to select the right measurement unit and resolution.
- 6.3 Press the Sensor 3-8 onto the material surface to measure on the premise that the material code selected is right. Be sure that coupling is well and the symbol (●) is on. The reading on display is the measurement value.
- 6.4 The reading is held till a new measurement value is coming. The last value is held on the display till the power is off.
- 6.5 2 modes to turn off the power.
Manual off at any time by pressing the power key or Auto power off after about 10 minutes from last key operation.

7. MEASURING BY VELOCITY SETTING

- 7.1 Press the VEL key 3-12 and the display shows the velocity set last time.
- 7.2 How to measure its thickness by the velocity known ?

The velocity can be changed by pressing the plus key or minus key to the value of known velocity. The increment is 10m/s every time when pressing the plus or minus key. And the increment is 100m/s if depressing the key formore than about 4 seconds.

- 7.3 Drop a little oil onto the material to measure and press the Sensor onto the surface. The reading on the display is the thickness if coupling well. So if we have known the velocity of a certain material, it is easy to measure the thickness by 7.2.
- 7.4 How to measure the thickness by a sample of known thickness?
Just get a sample of known thickness. Then repeat 7.2 and 7.3 till the measurement value is totally same as the known thickness. In such a case, the set value is the velocity of the material to measure, by which you can measure any unknown thickness of same material .
- 7.5 To browse the velocity, just press the

VEL key 3-12. To quit browsing, just press the VEL key 3-12 again or wait till the meter automatically show `0`.

- 7.6 By use of velocity measurement, it is easy to measure the thickness of any hard materials.

8. BATTERY REPLACEMENT

- 8.1 When the battery symbol appears on the display, it is time to replace the batteries.
- 8.2 Slide the Battery Cover away from the instrument and remove the batteries.
- 8.3 Install batteries paying careful attention to polarity.