## Installing and replacing the battery

## Outline dimension drawing

# General description







## Operating features of the instrument

- The instrument has two operating modes: first level functions (direct access) and second level functions. In addition to the configuration functions, 3 different measuring modes can be accessed, in MIN, MAX and DELTA (TIR) mode (depends on model), plus tolerance display. (see «Basic and Second level functions») MODE
- The «favourite» key gives direct access to the function used most often (see «Favourite Key»)  $\bigotimes$
- Sets a Preset value, reset the MIN/MAX mode, verifies a selection, and controls switching off the instrument. By default, SIS mode enables automatic switch-off with no loss of origin (see «Switching off») SET

### Personalising the functions

It is possible to activate or de-activate certain functions of the instrument via RS232 (PC) (see «Personalising the instrument»)

### - Data transmission parameters

4800Bds, 7 bits, even parity, 2 stop bits

### - Start

Press a button. For a *Bluetooth*® connection see «Bluetooth<sup>®</sup> configuration» (depends on model)

## First level functions

## Each short press on (MODE) gives direct access to the first level functions



rEF : choice of reference (360°. 180° or 90°) (depends on model)

Next digit (SET 0...9 Nove save Preset

PrE : Inputting a Preset value

flodE : MIN, MAX measurement, DELTA (tir)

Eq. : Tolerance display (inputting tolerance limits, see «Inputting the Tolerance limits»)

bt : activates, deactivates or reset Bluetooth® (depends on model)

### Only with paired profile

Pairing with master is automatically done at first connection

# onnected mode clear pairing information Display the MAC (Media Access Control) address. profile without pairing (dafault) paired and secured profile virtual keyboard (compatible with recent equipement without driver installation)

Connection

🖈 off

🗶 on

rESEE

SINPLE

PRIr

HId

nar

**k** blinking

- 1° Activate Bluetooth® compatible software and hardware (Master : PC, Display Unit).
- 2° Start the instrument. By default the Bluetooth® module is active and the instrument is available for

The connection procedure has been designed to be simple and is signalled by the following three states:

- connection (advertising mode). 3° If no connnection is established during the advertisement period reactivate the Bluetooth® module using the bt / 🕼 menu.
- 4° Instrument is ready to communicate (connected mode.)

Bluetooth® configuration (depends on model)

disconnected mode

advertising mode

To connect the instrument to a new master (new pairing), pairing information on the instrument must be cleared using the bt / rESEt menu.

## Bluetooth® specifications

Frequency Band	2.4GHz (2.402 - 2.480GHz)
Modulation	GFSK (Gaussian Frequency Shift Keying)
Max Output Power	Class 3: 1mW (0dBm)
Range	Open space: up to 15m Industrial environment: 1-5m
Battery life	Continuous : up to 2 months - Always connected with 4 values /sec. Saver : up to 5 months - The instrument sends value only when the position has changed. Blind/Push : up to 7 months - Value is sent from the instrument (button) or requested from the computer.

Other specifications on the manufacturer's website





- Electronic module
- Proximity entry
- Reference blade
- Rotating blade
- Fine adjustment
- Lock nut
- Blade clamping plate Multifunctional display
- Pull-out slide for battery
- Mode button 10.
- Set button (ON/OFF) 11.
- 12. Favourite key



1. Indicator of measuring range (90°/180°/360°) / 2. +/- Indicator / 3. Low battery 4. Mode menu display / 5. MIN/MAX/DELTA mode / 6. Preset mode / 7. Tolerance mode 8. 5-digit display / 9. Hold measured value / 10. Send data / 11. Bluetooth® active (depends on model) / 12. Tolerance indicators / 13. Measurement units (rad/deg/dm) 14. Keypad lock



bilises. On the other hand, it will remains lit continuously if the instrument is connected to, and powered by

Measuring range	1x360°, 2x180°, 4x90°
Resolution	0.01° / 1 minute of arc (0°01') / 0.0001rad
Accuracy	4 minutes of arc / 0.06° / 0.0012 rad
Repeatability	0.01°
Maximum operation speed	1080° / s
Display refresh rate	8/s
Measuring unit	deg / rad / deg-min
Measuring system	Sylvac Inductive System (patented)
Stand-by SIS (automatic after 10')	Keep origin, wake up with movement or command
Power	1 lithium battery 3V type CR2032, capacity min : 220mAh
Battery life	Average battery life: 7'000 hours / Bluetooth® enabled, see Bluetooth® specifications
Working temperature	+5 to +40° C / +41 to 104° F
Output	Compatible RS232, Proximity connection, Bluetooth® (depends on model, see chapter Bluetooth® configuration)
Protection according to IEC 529	IP51 (IEC 529)
Weight	410g