



Instruments To  
Industry Ltd

**e-Gauge<sup>®</sup>-*lite***  
**Assembly Manual**

**VERSION 3.1**

**Jan 2019**

## ASSEMBLY INSTRUCTIONS

# Fitting the e-Gauge®-lite

### Parts required for assembly

- |                                   |                          |
|-----------------------------------|--------------------------|
| 1 x e-Gauge®-lite Pointer         | 1 x e-Gauge®-lite Target |
| 1 x e-Gauge®-lite including lens  | 2 x Plastic washers      |
| 1 x Pressure Gauge or Thermometer |                          |

1. Remove Bezel, Glass lens and Rubber seal from Pressure Gauge or Dial Thermometer.



2. Feed cable and e-Gauge through the bezel from inside to out and refit Rubber Seal.



3. Remove pointer from Pressure gauge or Thermometer and replace with e-Gauge<sup>®</sup>-*lite* pointer.

Note: Thread should be at the top.

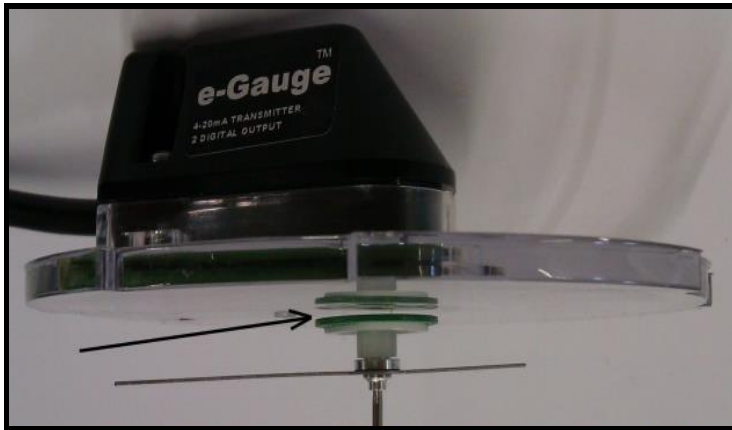


4. The e-Gauge<sup>®</sup>-*lite* Pointer may need to be broached out, to suit gauge pinion.
5. Fit Target on Target Holder with capacitor in line with the hole provided.
6. Screw the e-Gauge<sup>®</sup>-*lite* Target onto the e-Gauge<sup>®</sup>-*lite* pointer.



7. The distance between the top of the target and the e-Gauge lens, **should not be more than 4mm**. (see pic below)

2 washers are supplied to adjust the height of the Target on the Pointer, if required.



8. The Pointer and Target must be in-line along the axis, with the PCB writing below the axis line - as per the picture below:



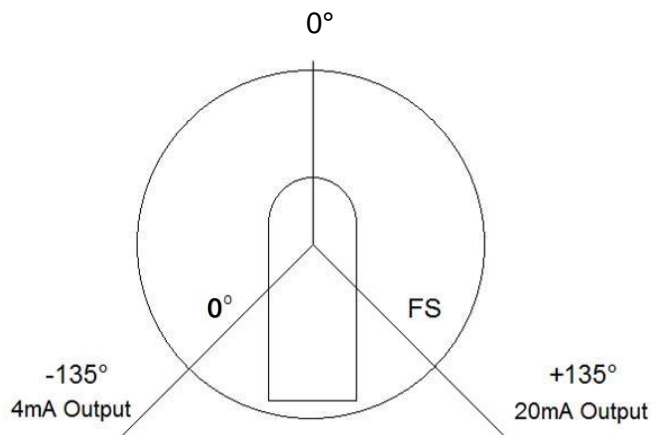
When all correctly in position and at  $-135^\circ$  on the gauge, glue the target in place securely.

9. Replace the lens and bezel on the gauge, checking the clearance for the pointer/target with the lens.
10. Tighten the bezel with the e-Gauge<sup>®</sup>-lite in the vertical, 12 o'clock position ( $0^\circ$ ).



11. The unit is ready to be powered up.

Note: Default is for a 270° scale, with 0° at 12 o'clock (-135°→+135°) – Output 4mA→20mA.



Other scale ranges are available by factory order.