



Instruments To  
Industry Ltd

# e-Gauge<sup>®</sup>

Assembly Manual

Version 4.1

Jan 2022

## Fitting the e-Gauge<sup>®</sup>-lite

### Parts required for assembly

- |   |                                       |
|---|---------------------------------------|
| 1 x e-Gauge <sup>®</sup> -lite Pointer        | 1 x e-Gauge <sup>®</sup> -lite Target |
| 1 x e-Gauge <sup>®</sup> -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.



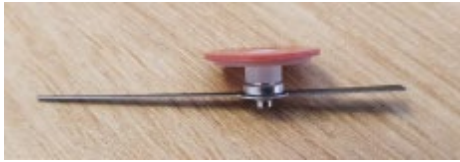
3. Remove pointer from Pressure gauge or Thermometer and replace with e-Gauge<sup>®</sup> pointer.

Note: Thread should be at the top



## ASSEMBLY INSTRUCTIONS

4. The e-Gauge 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® Target onto the e-Gauge® pointer.



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

## ASSEMBLY INSTRUCTIONS

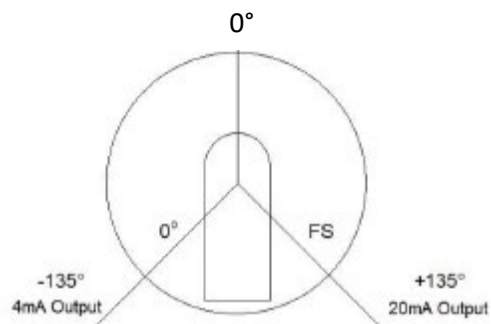
9. Replace the lens and bezel on the gauge, checking the clearance for the pointer/target with the lens.
10. Tighten the bezel with the e-Gauge<sup>®</sup>-lite in the vertical, 12 o'clock position (0°).



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.