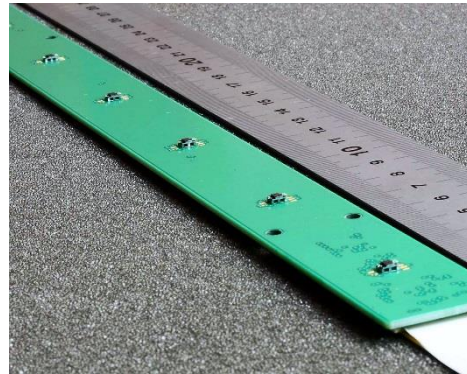


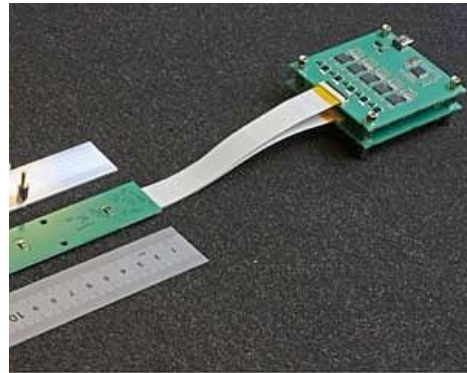
## Features

- 50 cm long PCB with 10 XEN-TCG3880-U ultrafast sensors at 5 cm spacing.
- Naked die mounting with bare bonding wires. This makes the sensors ultrafast (time constant less than 50 ms).
- The thin PCB and naked die arrangement ensures negligible disturbance of jets and plumes.
- Read out of the Ruler is done with 2x XEN-5350 USB 5 channel read out.
- Standard mode: 10 sensors/channels can be read out simultaneously at a data refresh time of 0.3 s.
- Fast mode: data refresh time of 0.1 s.
- Burst mode: for 1 channel only, data refresh time of down to 1.4 ms.
- Each read out channel in combination with a sensor on the Ruler functions as a XEN-5320.
- For the XEN-TCG3880 sensors see datasheet for XEN-TCG3880.  
For the Rulers see datasheet for XEN-3700.  
For XEN-5320 see datasheet for the XEN-5320.



**XEN-3700:**

10 XEN-TCG3880-U sensors on a 50 cm Ruler at 5 cm spacing.



Ruler XEN-3700 (50 cm) connected with 2x XEN-5350 read out boards.

## Applications

- Hydrogen and helium gas concentration measurement in chambers, for combination of 2x XEN-5350 and 1x XEN-3700.

### The XEN-5350 + XEN-3700 combination is designed for R&D applications

- The combi is not conform the standards for hydrogen detection sensors.
- The combi is not designed to be a reliable safety device.
- The combi is intended for test experiments only, under expert supervision, in safe experimental environments.

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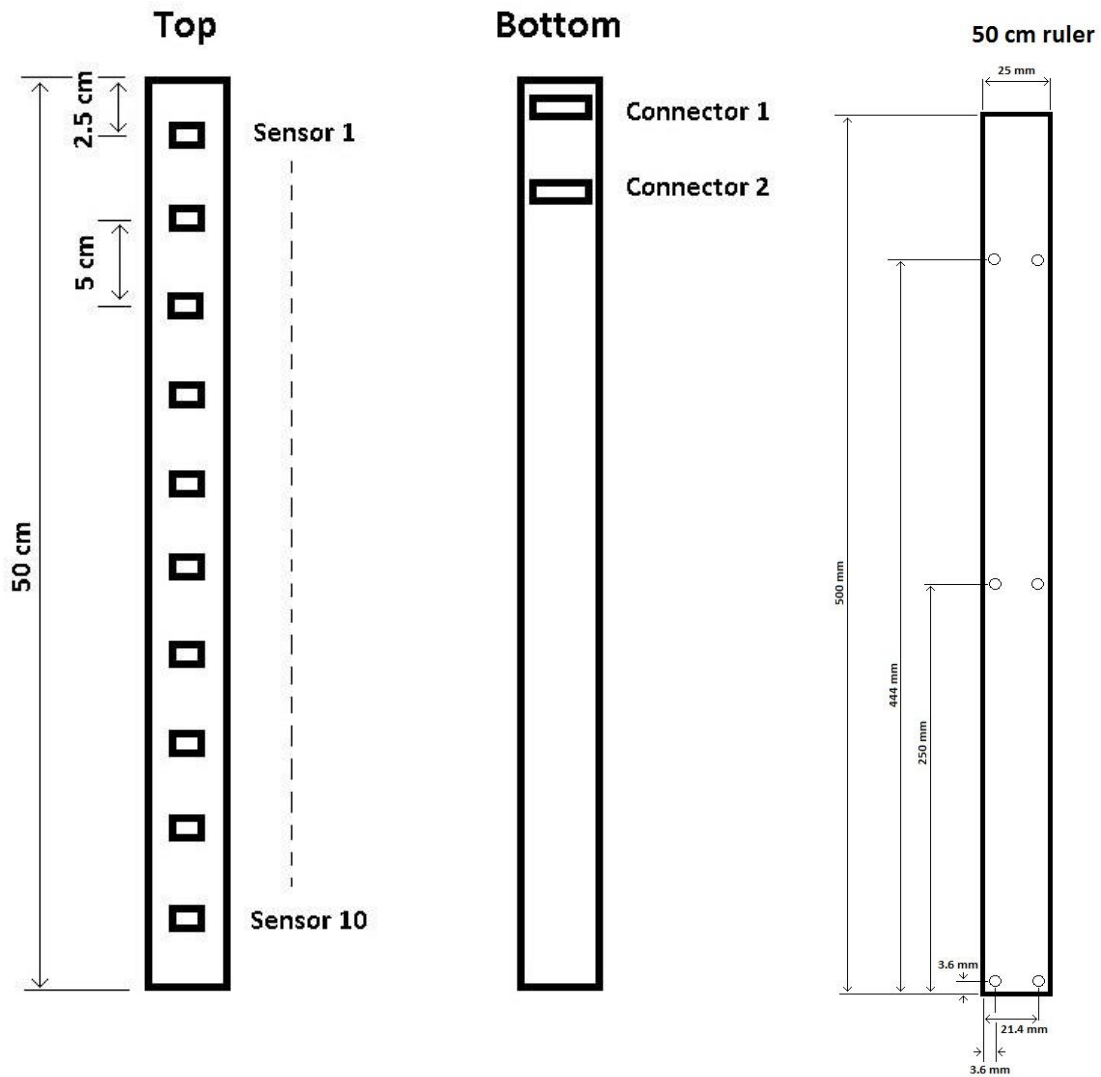
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VAT NL 009122746 B01



XEN-3700: Sensor chip and connector positions

Mounting holes positions.

Conditions: Use of sensors for industrial applications is subjected to patent rights. Xensor Integration assumes no liability arising from violation of these rights

Warranty: Xensor Integration warrants its products against defects in materials and workmanship for 12 months from date of shipment. Products not subject to misuse will be replaced or repaired. The foregoing is in lieu of all other expressed or implied warranties. Xensor Integration reserves the right to make changes to any product herein and assumes no liability arising out of the application or use of any product or circuit described or referenced herein.

**Xensor Integration** bv

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