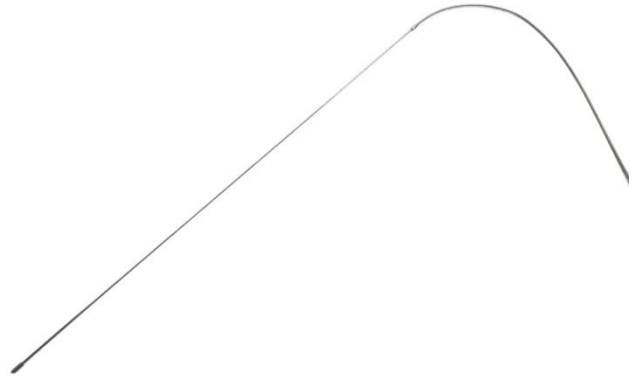


HTA-01 High temperature array sensor

Basic characteristic

- ▲ HTA-01 is a high temperature sensor array with variable length (up to 6mtr) and multiple temperature points capable of measuring temperature changes up to 350°C.
- ▲ [Optional] Can be formed in a curved shape with 90° or even 180° transitions.
- ▲ [Optional] Can be calibrated up to 600°C.
- ▲ [Optional] Can be equipped with high temperature / high pressure feed through.
- ▲ [Optional] Can be equipped with dielectric coating (PEEK or PTFE).



Benefits

- ▲ One-body design for all temperature points.
- ▲ Encapsulated inside a stainless steel protection tube.
- ▲ No need for re-calibration over time.
- ▲ Pressure resistance up to 450bars.
- ▲ Equipped with stainless steel protection tubing for the input cable.

Performance properties

Temperature range	-20 up to +350°C or up to +600°C ⁴⁾
Accuracy (guaranteed) ¹⁾	<1% FS ³⁾
Accuracy (typical) ¹⁾	<0.8% FS ³⁾
Precision (guaranteed) ²⁾	±0.45% FS ³⁾
Precision (typical) ²⁾	±0.35% FS ³⁾
Ingress protection	IP68
Operating Temperature range	-50°C to +600°C

¹⁾ Accuracy is established for each individual sensor under laboratory conditions and it includes hysteresis, non-linearity and repeatability of the sensor.

²⁾ Precision is established on a batch basis and it includes hysteresis, non-linearity, repeatability and reproducibility of the sensor.

³⁾ FS: full scale range

⁴⁾ Can be extended to range from -50 up to +600°C

HTA-01 High temperature array sensor

Physical properties

Housing material	SS304 – 1.4301
Dimensions (without cable) ¹⁾	Variable (OD 2mm)
Weight (without cable)	170g
Cable type	SS tubing / 3mm Dyneema reinforced cable
Cable length ²⁾	1,5mtr
Cable Bend Radius (dynamic)	40mm
Cable Bend Radius (static)	30mm
Connector type ³⁾	FC/APC

¹⁾ For further dimensions details see the product drawing

²⁾ Cable length is extendable on request

³⁾ Other connector types available on request

Packaging

Custom packaging depending on the total length.

Quality statement

HTA-01 sensor is compliant with IEC 61757:2018
 All sensors are 100% tested and calibrated at SYLEX
 Sensor is manufactured according to ISO 9001:2008 and ISO 14001:2004

Optional accessories

- ▲ **WCP-01 Watertight connector protection** – used for FC/APC connector protection during the installation against dust and water – IP67 rated.
- ▲ **LCP-03 Longer cable pigtails** – used to extend the cable lengths from 1mtr up to 20mtr.

For more information contact our sales team at sales@sylex.sk

* Specifications are subject to change without notice