

Temperature Transmitter with interchangeable probes

Unique for the HLX22-T series are the interchangeable sensing probes with connector.

The calibration data is stored in the probes, which are therefore interchangeable and probe replacement does not affect the performance of HLX22-T.

The outstanding accuracy over the entire temperature range is based on very precise calibration methods and on the latest microprocessor technology. Well-proven humidity sensor elements ensure excellent long-term stability.

For high temperature applications (up to $+80^{\circ}C / +176^{\circ}F$) or in case of limited space availability, the sensing probes can be connected to HLX22-T housing with cables (2m, 5m or 10m / 6.6ft, 16.4ft or 32.8ft) without any repercussions for the overall accuracy of the instrument.

Voltage 0 - 1 / 10V or current 4 - 20mA (2 wire) outputs are available, of which the temperature output can be scaled according to the application (see ordering guide).

HLX22-T is suitable for direct wall mounting and for installation on rails according to DIN EN 50022.

For easy duct mounting a duct mounting kit is available as an option.

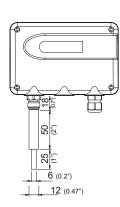
An optional display indicates the actual T values.

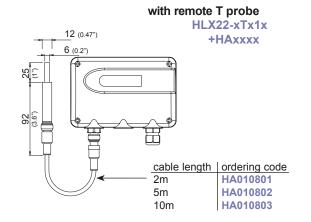




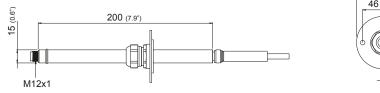
Probe Dimensions (mm)

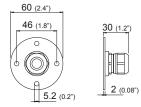






duct mounting kit:





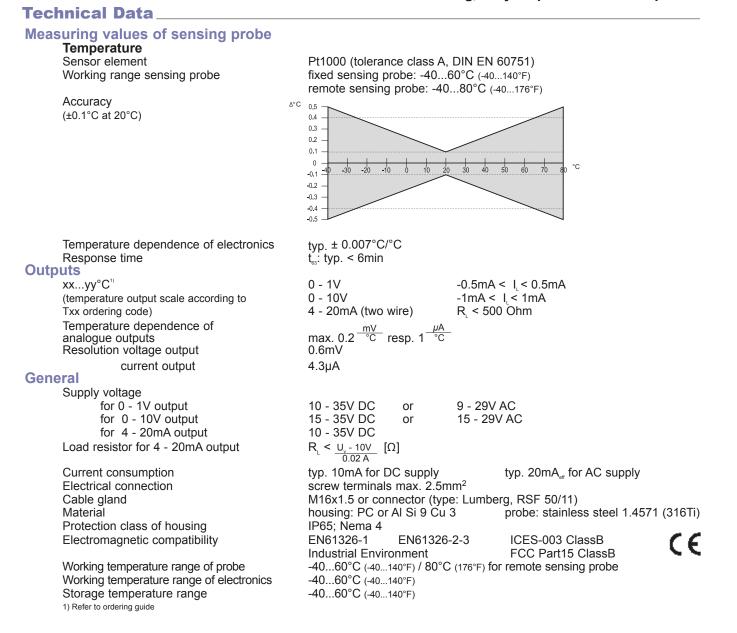


Typical Applications

pharmaceutical industry clean rooms storage rooms green houses cooling chambers

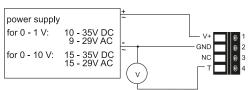
Features

accuracy ±0,1°C at 20°C interchangeable probes remote sensing probe up to 10m (32.8ft) measuring range -40...80°C (-40...176°F) optional display traceable calibration cost saving, easy loop-calibration of T probes

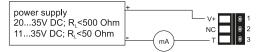


Connection Diagram

HLX22-T1,3xx

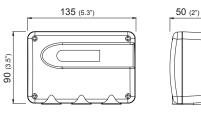


HLX22-T6xx

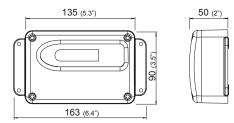




polycarbonate housing



metal housing



For use in harsh industrial environments all models of HLX22-T series are available in a robust metal housing. The smooth surface and the rounded outlines allow for the use in clean room applications.

Ordering Guide

Position 1 - Transmitter **HLX22-**Hardware Configuration Housina metal housing М polycarbonate housing P Туре temperature т Output 0-1V 1 0-10V 3 4-20mA 6 Model wall mounting - cable gland M16x1.5 cable Ø 4.5 - 10 mm (0.18 - 0.39") Α F wall mounting - rear cable outlet Probe 1 probe T 1 Display without display D07 with display Plug without plug 1 plug for power supply and outputs C03 **Software Configuration** T-Unit °C °F E01 Scaling of T-output -40...60 (T02) 0...120 (T16) -20...50 (T48) Select according to in°C or °F -10...50 (T03) -30...60 (T20) -40...176 (T80) **Ordering Guide** 0...50 (T04) 0...80 (T21) 0...140 (T85) (Txx) 0...60 (T07) -40...80 (T22) 0...176 (T86) Other T-Scaling refer to -20...80 (T24) -30...70 (T08) 32...120 (T90) data sheet "T-Scalings" -10...70 (T11) -20...60 (T25) 32...140 (T91) -40...120 (T12) -30...50 (T45) 32...132 (T96) Position 2 - Probe cable Cable length HA010801 2m (6.6ft) HA010802 5m (16.4ft) HA010803 10m (32.8ft)

Accessories / Replacement Parts

(For further information see data sheet "Accessories")

(V02)

(HLX07-MT)

- probe cable 2m (6.6ft) / 5m (16.4ft) / 10m (32.8ft) (HA0108xx) (HA010203)
- bracket for rail installation
- external supply unit
- Replacement probe T in metal

- Display + housing cover in polycarbonate (D07P) (D07M)
- Display + housing cover in metal
- Reference probes
- Duct mounting kit

Order Example

Position 1 - Transmitter:

HLX22-MT3A1C03/T07

housing:	metal housing
type:	temperature
output:	0-10V
model:	wall mounting - cable gland M16x1.5
probe:	1probe T
display:	without display
plug:	1 plug for power supply and outputs
T-Unit:	C°
scaling of T-output:	060°C

Position 2 - Probe cable:

(HA010403)

(HA010209)

HA010802 cable length: 5m (16.4ft)

Digitron Italia S.r.I. Via ASI Consortile, 7 03013 Ferentino (FR) Italia Tel (+39) 0775 392052 Fax (+39) 0775 223835 www.digitron-italia.com e-mail:info@digitron-italia.it