

# LEX55 Ex ec certified RTD sensor with transmitter for zone 2 and 22

## Construction

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| ATEX execution      | II 3 G Ex ec IIC T6...T1 Gc                                                                                                              |
| ATEX certificate    | DEKRA 18ATEX0024 X                                                                                                                       |
| IECEx execution     | Ex ec IIC T6...T1 Gc                                                                                                                     |
| IECEx certificate   | IECEX DEK 17.0046X                                                                                                                       |
| Suitable for zone   | 2 and 22                                                                                                                                 |
| Ingress protection  | IP65 / IEC529                                                                                                                            |
| Ambient temp. range | -45°C...+80°C, this can be limited depending on the materials applied such as cables, connection heads, junction boxes and transmitters. |

## Connectionhead

|             |                                                       |
|-------------|-------------------------------------------------------|
| Model       | DAN-AK (showed), other Ex ec certified heads possible |
| Material    | Aluminium, plastic or stainless steel                 |
| Cable Entry | M20x1.5 standard, other threads possible              |

## Transmitter

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Model                | Select from our standard range or specify your standardized brand |
| Range                | Customer to specify                                               |
| Head mounted         | Standard mounted on insert, replaces the terminal block           |
| Alternative mounting | Mounted in the cover of the head                                  |

## Measuring insert

|              |                                          |
|--------------|------------------------------------------|
| Construction | Springloaded and replaceable             |
| Springaction | >10mm standard, >40mm optional           |
| Diameter     | 6.0mm standard, other diameters possible |
| Type         | Mineral insulated (MgO)                  |

## Sensor

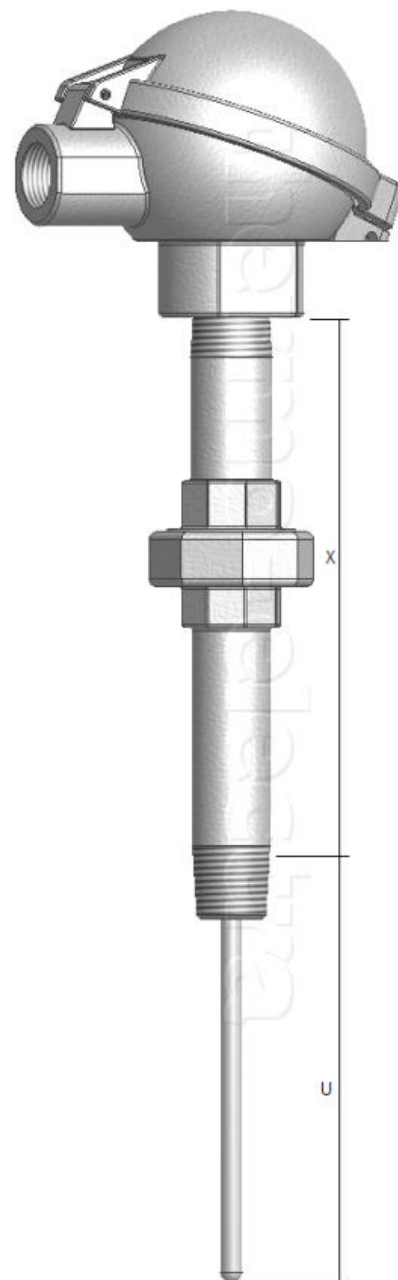
|                 |                                                   |
|-----------------|---------------------------------------------------|
| Execution       | Single or Duplex Pt100                            |
| Connection      | 3-wire standard, 4-wire optional                  |
| Accuracy        | According IEC 60751 Cl. B, A or AA                |
| Measuring range | -20°C...+400°C standard, -220°C...+600°C optional |

## Extension

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Type               | Nipple - Union -nipple standard, other constructions possible |
| Material           | Stainless Steel                                               |
| Style / Connection | 1/2"NPT standard, other threads possible                      |

## Datasheet notification

The LEX55 is the replacement for the LEX45 Ex nA  
This datasheet is purely indicative, build-up of model code may vary from this datasheet



## Ordering code

\*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

|                   |       |  |  |  |  |  |
|-------------------|-------|--|--|--|--|--|
| Model             | LEX55 |  |  |  |  |  |
| Sensor S or D     |       |  |  |  |  |  |
| Class B, A or AA  |       |  |  |  |  |  |
| Length "U" in mm  |       |  |  |  |  |  |
| Length "X" in mm  |       |  |  |  |  |  |
| Transmitter model |       |  |  |  |  |  |