

# HM5030 Oppervlakte thermokoppel met AlNiCo hoefmagneet

## Constructie

|                    |                    |
|--------------------|--------------------|
| Montage            | AlNiCo Hoefmagneet |
| Magneet afmetingen | 39x26x25mm (LxBxH) |
| Beschermingsklasse | IP54               |

## Aansluitkabel

|             |                                     |
|-------------|-------------------------------------|
| Type        | PTFE Standaard, Siliconen optioneel |
| Kabellengte | Standaard 4000mm                    |

## Thermokoppel

|                |                                     |
|----------------|-------------------------------------|
| Kalibratie     | K, T of J                           |
| Nauwkeurigheid | Volgens IEC 60584-1                 |
| Voor duplex    | KK, TT of JJ                        |
| Warme las      | Geïsoleerd                          |
| Isolatie test  | Isolati weerstand Minimum 100 M Ohm |

## Temperatuurgrens

|                     |                         |
|---------------------|-------------------------|
| Maximum temperatuur | Meetpunt maximaal 240°C |
|---------------------|-------------------------|

## Opties

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Kabel                | Andere kabel isolatie                                               |
| ATEX                 | Exi, Exe of Exd                                                     |
| Contact              | Gevoelige veerbelaste tip                                           |
| Transportbescherming | Metalen frontplaatje ter bescherming, voor plaatsing te verwijderen |
| Magneetkracht        | 90 Newton                                                           |



## Thermokoppel kleurcodes

| Thermocouple Extension Type      | ANSI | IEC |
|----------------------------------|------|-----|
| JX + Iron<br>- Constantan ®      |      |     |
| KX + Chromel ®<br>- Alumel ®     |      |     |
| TX + Copper<br>- Constantan ®    |      |     |
| EX + Chromel ®<br>- Constantan ® |      |     |
| NX + Nicrosil ®<br>- Nisil ®     |      |     |
| SX + Copper<br>RX - Alloy 11     |      |     |
| BX + Copper-S<br>- Copper-E      |      |     |

## Toleranties volgens IEC 584-2

| Type    | Class | Temperature range   | Fixed value °C | Tolerance to temp. t (°C) |
|---------|-------|---------------------|----------------|---------------------------|
| T       | 1     | - 40°C to + 350°C   | ± 0,5          | ± 0,004 ·  t              |
|         | 2     | - 40°C to + 350°C   | ± 1            | ± 0,0075 ·  t             |
|         | 3     | - 200°C to + 40°C   | ± 1            | ± 0,015 ·  t              |
| E       | 1     | - 40°C to + 800°C   | ± 1,5          | ± 0,004 ·  t              |
|         | 2     | - 40°C to + 900°C   | ± 2,5          | ± 0,0075 ·  t             |
|         | 3     | - 200°C to + 40°C   | ± 2,5          | ± 0,015 ·  t              |
| J       | 1     | - 40°C to + 750°C   | ± 1,5          | ± 0,004 ·  t              |
|         | 2     | - 40°C to + 750°C   | ± 2,5          | ± 0,0075 ·  t             |
|         | 3     | -                   | -              | -                         |
| K and N | 1     | - 40°C to + 1000°C  | ± 1,5          | ± 0,004 ·  t              |
|         | 2     | - 40°C to + 1200°C  | ± 2,5          | ± 0,0075 ·  t             |
|         | 3     | - 200°C to + 40°C   | ± 2,5          | ± 0,015 ·  t              |
| R and S | 1     | 0°C to + 1600°C     | ± 1,0          | ± [1+0,003 · (t-1100)]°C  |
|         | 2     | 0°C to + 1600°C     | ± 1,5          | ± 0,0025 · t              |
|         | 3     | -                   | -              | -                         |
| B       | 1     | -                   | -              | -                         |
|         | 2     | + 600°C to + 1700°C | ± 1,5          | ± 0,0025 · t              |
|         | 3     | + 600°C to + 1700°C | ± 4            | ± 0,005 · t               |

## Ordering code

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

Model

HM 5030

Thermokoppel type

Kabellengte (standaard 4000mm)

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