

## CARACTERISTIQUES

- Jonction soudée exposée pour des temps de réponse rapides
- Câble isolé en fibre de verre
- Conforme à la norme CEI 60584

## Thermocouple RS Pro type K Ø 0,3 mm → +600 °C.

RS code commande : 621-2170



Les produits homologués par RS vous apportent des pièces de qualité professionnelle dans toutes les catégories de produits. Notre gamme de produits a été testée par des ingénieurs et fournit une qualité comparable aux plus grandes marques sans avoir à payer un prix élevé.

## Description du produit

Gamme de capteurs de température à thermocouple à fil de types J, K, N et T de RS PRO conformes à la norme CEI 60584. Ces thermocouples sont équipés d'une jonction à chaud soudée exposée pour un temps de réponse rapide, et de conducteurs de câble recouverts d'un isolants en fibre de verre.

## Caractéristiques

|                                          |                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Type de thermocouple</b>              | Type K                                                                                         |
| <b>Plage de mesure de la température</b> | -50 à 600 °C.                                                                                  |
| <b>Bâtiment</b>                          | Capteur à fil fin                                                                              |
| <b>Jonction de mesure</b>                | Exposé                                                                                         |
| <b>Précision</b>                         | ±1.5°C                                                                                         |
| <b>Sortie</b>                            | 100 °C = 4,096 mV                                                                              |
| <b>Temps de réponse</b>                  | 0.7s                                                                                           |
| <b>Coefficient de Seebeck</b>            | 41µV/°C                                                                                        |
| <b>Tension maximale</b>                  | 48.838mV                                                                                       |
| <b>Emetteur</b>                          | Aucun                                                                                          |
| <b>Disponibilité de l'étalonnage</b>     | Oui                                                                                            |
| <b>Application</b>                       | Universel, mesure simple et économique, idéal pour les tests de température ou de laboratoire. |

## Spécifications mécaniques

|                                          |                |
|------------------------------------------|----------------|
| <b>Diamètre de la sonde</b>              | 0.3mm          |
| <b>Matériau d'isolation/gaine</b>        | Fibre de verre |
| <b>Type de bornes</b>                    | Presse-étoupe  |
| <b>Tête de terminal</b>                  | 17 mm x 11 mm  |
| <b>Longueur de câble de compensation</b> | 2m             |
| <b>Isolation de câble</b>                | PVC            |
| <b>Poids</b>                             | 8.33g          |

## Homologations

|                                  |                              |
|----------------------------------|------------------------------|
| <b>Conformité/certifications</b> | CEI 60584                    |
| <b>Normes Met</b>                | Conforme à la directive RoHS |



| T/C Type | Conductors | Length   | Termination | +Positive tail wire | -Negative tail wire code | Allied Code | RS order Code |
|----------|------------|----------|-------------|---------------------|--------------------------|-------------|---------------|
| 'K'      | 1/0.2mm    | 1 metre  | Mini plug   | Green               | White                    | 70643600    | 363-0250      |
| 'K'      | 1/0.2mm    | 2 metre  | Mini plug   | Green               | White                    |             | 110-4482      |
| 'K'      | 1/0.2mm    | 5 metre  | Mini plug   | Green               | White                    |             | 123-6306      |
| 'K'      | 1/0.2mm    | 10 metre | Mini plug   | Green               | White                    |             | 123-6307      |
| 'J'      | 1/0.2mm    | 1 metre  | Mini plug   | Black               | White                    | 70643599    | 363-0244      |
| 'J'      | 1/0.2mm    | 2 metre  | Mini plug   | Black               | White                    |             | 123-6308      |
| 'J'      | 1/0.2mm    | 5 metre  | Mini plug   | Black               | White                    |             | 123-6309      |
| 'J'      | 1/0.2mm    | 10 metre | Mini plug   | Black               | White                    |             | 123-6310      |
| 'T'      | 1/0.2mm    | 1 metre  | Mini plug   | Brown               | White                    | 70643601    | 363-0266      |
| 'T'      | 1/0.2mm    | 2 metre  | Mini plug   | Brown               | White                    |             | 123-6311      |
| 'T'      | 1/0.2mm    | 5 metre  | Mini plug   | Brown               | White                    |             | 123-6312      |
| 'T'      | 1/0.2mm    | 10 metre | Mini plug   | Brown               | White                    |             | 123-6313      |

| T/C Type | Conductors | Cores         | Reel Length | Allied code | RS order code   |
|----------|------------|---------------|-------------|-------------|-----------------|
| J        | 1/0.2mm    | +Black/-White | 25 metres   | 70657194    | <b>827-5980</b> |
| J        | 1/0.2mm    | +Black/-White | 50 metres   | 70657195    | <b>827-5984</b> |
| J        | 1/0.315mm  | +Black/-White | 25 metres   | 70657198    | <b>827-5993</b> |
| J        | 1/0.315mm  | +Black/-White | 50 metres   | 70657199    | <b>827-5996</b> |
| K        | 1/0.315mm  | +Green/-White | 25 metres   | 70657200    | <b>827-6000</b> |
| K        | 1/0.315mm  | +Green/-White | 50 metres   | 70657205    | <b>827-6019</b> |
| T        | 1/0.315mm  | +Brown/-White | 25 metres   | 70657208    | <b>827-6028</b> |
| T        | 1/0.315mm  | +Brown/-White | 50 metres   | 70657206    | <b>827-6022</b> |
| J        | 1/0.508mm  | +Black/-White | 25 metres   | 70657197    | <b>827-5990</b> |
| J        | 1/0.508mm  | +Black/-White | 50 metres   | 70657201    | <b>827-6003</b> |
| K        | 1/0.508mm  | +Green/-White | 25 metres   | 70657203    | <b>827-6012</b> |
| K        | 1/0.508mm  | +Green/-White | 50 metres   | 70657204    | <b>827-6016</b> |
| J        | 7/0.2mm    | +Black/-White | 25 metres   | 70657202    | <b>827-6006</b> |
| K        | 7/0.2mm    | +Green/-White | 25 metres   | 70657207    | <b>827-6025</b> |
| T        | 7/0.2mm    | +Brown/-White | 25 metres   | 70657209    | <b>827-6031</b> |
| N        | 7/0.2mm    | +Pink/-White  | 25 metres   | 70657210    | <b>827-6034</b> |

|                   | Conductors | Cores         | Jacket | Reel Length | Allied Code | RS order code   |
|-------------------|------------|---------------|--------|-------------|-------------|-----------------|
| <b>Extension:</b> |            |               |        |             |             |                 |
| KX                | 7/0.2mm    | +Green/-White | Green  | 10 metres   | 70657084    | <b>827-5615</b> |
| KX                | 7/0.2mm    | +Green/-White | Green  | 25 metres   | 70641729    | <b>236-3820</b> |
| KX                | 7/0.2mm    | +Green/-White | Green  | 50 metres   | 70657085    | <b>827-5619</b> |
| KX                | 7/0.2mm    | +Green/-White | Green  | 100 metres  | 70646156    | <b>611-7889</b> |
| KX                | 7/0.2mm    | +Green/-White | Green  | 200 metres  | 70657088    | <b>827-5628</b> |
| JX                | 7/0.2mm    | +Black/-White | Black  | 10 metres   | 70641640    | <b>219-4753</b> |
| JX                | 7/0.2mm    | +Black/-White | Black  | 25 metres   | 70657078    | <b>827-5592</b> |
| JX                | 7/0.2mm    | +Black/-White | Black  | 50 metres   | 70657079    | <b>827-5596</b> |
| JX                | 7/0.2mm    | +Black/-White | Black  | 100 metres  | 70641737    | <b>236-3915</b> |
| JX                | 7/0.2mm    | +Black/-White | Black  | 200 metres  | 70657081    | <b>827-5606</b> |
| TX                | 7/0.2mm    | +Brown/-White | Brown  | 10 metres   | 70641637    | <b>219-4703</b> |
| TX                | 7/0.2mm    | +Brown/-White | Brown  | 25 metres   | 70641734    | <b>236-3870</b> |
| TX                | 7/0.2mm    | +Brown/-White | Brown  | 50 metres   | 70657095    | <b>827-5653</b> |
| TX                | 7/0.2mm    | +Brown/-White | Brown  | 100 metres  | 70651749    | <b>762-1146</b> |
| TX                | 7/0.2mm    | +Brown/-White | Brown  | 200 metres  | 70657098    | <b>827-5662</b> |
| NX                | 7/0.2mm    | +Pink/-White  | Pink   | 10 metres   | 70641635    | <b>219-4668</b> |
| NX                | 7/0.2mm    | +Pink/-White  | Pink   | 25 metres   | 70657091    | <b>827-5637</b> |
| NX                | 7/0.2mm    | +Pink/-White  | Pink   | 50 metres   | 70657089    | <b>827-5631</b> |
| NX                | 7/0.2mm    | +Pink/-White  | Pink   | 100 metres  | 70657092    | <b>827-5640</b> |

|                      | Conductors | Cores          | Jacket | Reel Length | Allied Code | RS order code   |
|----------------------|------------|----------------|--------|-------------|-------------|-----------------|
| <b>Compensating:</b> |            |                |        |             |             |                 |
| VX (KCB)             | 7/0.2mm    | +Green/-White  | Green  | 10 metres   | 70657082    | <b>827-5609</b> |
| VX (KCB)             | 7/0.2mm    | +Green/-White  | Green  | 25 metres   | 70641629    | <b>219-4551</b> |
| VX (KCB)             | 7/0.2mm    | +Green/-White  | Green  | 50 metres   | 70657080    | <b>827-5603</b> |
| VX (KCB)             | 7/0.2mm    | +Green/-White  | Green  | 100 metres  | 70641630    | <b>219-4573</b> |
| VX (KCB)             | 7/0.2mm    | +Green/-White  | Green  | 200 metres  | 70657083    | <b>827-5612</b> |
| VX (KCB)             | 13/0.2mm   | +Green/-White  | Green  | 10 metres   | 70657086    | <b>827-5621</b> |
| VX (KCB)             | 13/0.2mm   | +Green/-White  | Green  | 25 metres   | 70657087    | <b>827-5625</b> |
| VX (KCB)             | 13/0.2mm   | +Green/-White  | Green  | 50 metres   | 70657090    | <b>827-5634</b> |
| VX (KCB)             | 13/0.2mm   | +Green/-White  | Green  | 100 metres  | 70651750    | <b>762-1152</b> |
| U (RCA)              | 7/0.2mm    | +Orange/-White | Orange | 10 metres   | 70657096    | <b>827-5656</b> |
| U (RCA)              | 7/0.2mm    | +Orange/-White | Orange | 25 metres   | 70646158    | <b>611-7902</b> |
| U (RCA)              | 7/0.2mm    | +Orange/-White | Orange | 50 metres   | 70657097    | <b>827-5659</b> |
| U (RCA)              | 13/0.2mm   | +Orange/-White | Orange | 10 metres   | 70641641    | <b>219-4769</b> |
| U (RCA)              | 13/0.2mm   | +Orange/-White | Orange | 25 metres   | 70657093    | <b>827-5643</b> |
| U (RCA)              | 13/0.2mm   | +Orange/-White | Orange | 50 metres   | 70657094    | <b>827-5647</b> |
| T/C Type             | Conductors | Cores          | Jacket | Reel Length | Allied code | RS order code   |
| <b>Extension:</b>    |            |                |        |             |             |                 |
| KX                   | 7/0.2mm    | +Yellow/-Red   | Yellow | 25 m        | 70656102    | <b>814-0018</b> |
| KX                   | 7/0.2mm    | +Yellow/-Red   | Yellow | 100 m       | 70656105    | <b>814-0027</b> |
| KX                   | 7/0.2mm    | +Yellow/-Red   | Yellow | 200 m       | 70656103    | <b>814-0020</b> |
| JX                   | 7/0.2mm    | + White/-Red   | Black  | 25 m        | 70656096    | <b>813-9995</b> |
| JX                   | 7/0.2mm    | + White/-Red   | Black  | 100 m       | 70656098    | <b>814-0005</b> |
| JX                   | 7/0.2mm    | + White/-Red   | Black  | 200 m       | 70656099    | <b>814-0008</b> |
| TX                   | 7/0.2mm    | +Blue/-Red     | Blue   | 25 m        | 70656119    | <b>814-0074</b> |
| TX                   | 7/0.2mm    | +Blue/-Red     | Blue   | 100 m       | 70656122    | <b>814-0083</b> |
| TX                   | 7/0.2mm    | +Blue/-Red     | Blue   | 200 m       | 70656123    | <b>814-0086</b> |
| <b>Compensating:</b> |            |                |        |             |             |                 |
| VX (KCB)             | 7/0.2mm    | +Yellow/-Red   | Yellow | 25 m        | 70656127    | <b>814-0103</b> |
| VX (KCB)             | 7/0.2mm    | +Yellow/-Red   | Yellow | 100 m       | 70656130    | <b>814-0112</b> |
| VX (KCB)             | 7/0.2mm    | +Yellow/-Red   | Yellow | 200 m       | 70656131    | <b>814-0115</b> |

| T/C Type | Conductors | Cores        | Reel Length | Allied code | RS order code   |
|----------|------------|--------------|-------------|-------------|-----------------|
| KX       | 1/0.2mm    | +Yellow/-Red | 25 metres   | 70656106    | <b>814-0030</b> |
| KX       | 1/0.2mm    | +Yellow/-Red | 50 metres   | 70656111    | <b>814-0049</b> |
| KX       | 1/0.2mm    | +Yellow/-Red | 100 metres  | 70656109    | <b>814-0042</b> |
| KX       | 7/0.2mm    | +Yellow/-Red | 25 metres   | 70656110    | <b>814-0046</b> |
| KX       | 7/0.2mm    | +Yellow/-Red | 50 metres   | 70656113    | <b>814-0055</b> |
| KX       | 7/0.2mm    | +Yellow/-Red | 100 metres  | 70656114    | <b>814-0058</b> |
| KX       | 1/0.3mm    | +Yellow/-Red | 25 metres   | 70656104    | <b>814-0024</b> |
| KX       | 1/0.3mm    | +Yellow/-Red | 50 metres   | 70656107    | <b>814-0033</b> |
| KX       | 1/0.3mm    | +Yellow/-Red | 100 metres  | 70656108    | <b>814-0036</b> |
| TX       | 1/0.3mm    | +Blue/-Red   | 25 metres   | 70656121    | <b>814-0080</b> |
| TX       | 1/0.3mm    | +Blue/-Red   | 50 metres   | 70656126    | <b>814-0099</b> |
| TX       | 1/0.3mm    | +Blue/-Red   | 100 metres  | 70656124    | <b>814-0092</b> |
| TX       | 1/0.2mm    | +Blue/-Red   | 25 metres   | 70656125    | <b>814-0096</b> |
| TX       | 1/0.2mm    | +Blue/-Red   | 50 metres   | 70656128    | <b>814-0106</b> |
| TX       | 1/0.2mm    | +Blue/-Red   | 100 metres  | 70656129    | <b>814-0109</b> |