

## CARATTERISTICHE

- Giunzione saldata esposta
- Tolleranza classe 1
- Connettore maschio impermeabile

## Termocoppia di tipo K RS Pro, lunghezza 3M, diametro 1/0,3 mm → +250 °

Codice RS: 479-1788



I prodotti firmati RS approvati per impieghi professionali offrono componenti di qualità professionale in tutte le categorie di prodotti. La nostra gamma di prodotti è stata testata da ingegneri e offre una qualità paragonabile a quella dei marchi leader senza pagare un prezzo eccezionale.

## DESCRIZIONE del

Da RS PRO una gamma di sensori di temperatura a termocoppia di tipo K a filo sottile con tolleranza classe 1 per una precisione ottimale. Questi sensori di temperatura a termocoppia a cavo nudo hanno una struttura resistente con isolamento in PTFE o in fibra di vetro. Un'estremità del cavo è terminata con un connettore maschio sagomato che garantisce un collegamento rapido e semplice che è anche impermeabile. Le giunzioni esposte di queste termocoppie di tipo K. hanno sia una maggiore sensibilità che un tempo di risposta rapido

## Specifiche generali

|  |  |
|--|--|
| <b>Tipo di termocoppia</b>                         | Tipo K   |
| <b>Intervallo di misurazione della temperatura</b> | Da -100 °C a 250 °C.                                       |
| <b>Edilizia</b>                                    | Sensore a filo sottile                                     |
| <b>Giunzione di misurazione</b>                    | Esposto  |
| <b>Precisione</b>                                  | ±1.5°C   |
| <b>Uscita</b>                                      | 100°C= 4,096mV   |
| <b>Tempo di risposta</b>                           | 0.1s   |
| <b>Coefficiente Seebeck</b>                        | 41µV / °C.   |
| <b>Trasmettitore</b>                               | Nessuna  |
| <b>Disponibilità calibrazione</b>                  | Sì   |
| <b>Applicazione</b>                                | Industria edile, cartaria, elettronica e dell'imballaggio. |

## Specifiche meccaniche

|  |                                   |
|--|-----------------------------------|
| <b>Diametro sonda</b>                      | 1/0.3mm                           |
| <b>Lunghezza sonda</b>                     | 3m                                |
| <b>Materiale corpo sonda</b>               | Nichel alluminio, nichel cromo    |
| <b>Connessione di processo</b>             | Connettore maschio 2pin sagomato  |
| <b>Materiale isolante/guaina</b>           | PTFE                              |
| <b>Tipo di terminazione</b>                | Connettore maschio miniaturizzato |
| <b>Lunghezza del cavo di compensazione</b> | 3m                                |
| <b>Isolamento del cavo</b>                 | PTFE                              |

## Omologazioni

|                                  |                 |
|----------------------------------|-----------------|
| <b>Conformità/certificazioni</b> | EN61340         |
| <b>Standard soddisfatti</b>      | Conformità 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    | 827-5980      |
| J        | 1/0.2mm    | +Black/-White | 50 metres   | 70657195    | 827-5984      |
| J        | 1/0.315mm  | +Black/-White | 25 metres   | 70657198    | 827-5993      |
| J        | 1/0.315mm  | +Black/-White | 50 metres   | 70657199    | 827-5996      |
| K        | 1/0.315mm  | +Green/-White | 25 metres   | 70657200    | 827-6000      |
| K        | 1/0.315mm  | +Green/-White | 50 metres   | 70657205    | 827-6019      |
| T        | 1/0.315mm  | +Brown/-White | 25 metres   | 70657208    | 827-6028      |
| T        | 1/0.315mm  | +Brown/-White | 50 metres   | 70657206    | 827-6022      |
| J        | 1/0.508mm  | +Black/-White | 25 metres   | 70657197    | 827-5990      |
| J        | 1/0.508mm  | +Black/-White | 50 metres   | 70657201    | 827-6003      |
| K        | 1/0.508mm  | +Green/-White | 25 metres   | 70657203    | 827-6012      |
| K        | 1/0.508mm  | +Green/-White | 50 metres   | 70657204    | 827-6016      |
| J        | 7/0.2mm    | +Black/-White | 25 metres   | 70657202    | 827-6006      |
| K        | 7/0.2mm    | +Green/-White | 25 metres   | 70657207    | 827-6025      |
| T        | 7/0.2mm    | +Brown/-White | 25 metres   | 70657209    | 827-6031      |
| N        | 7/0.2mm    | +Pink/-White  | 25 metres   | 70657210    | 827-6034      |

|                   | 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        | 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> |

| 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> |