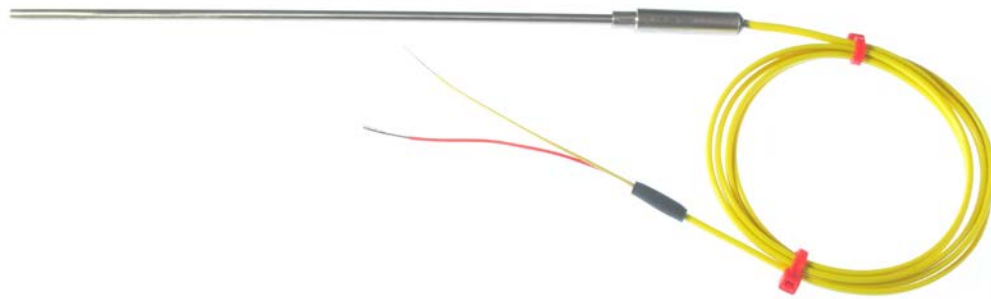


Datasheet

ANSI Mineral Insulated Thermocouples with 1 Metre PFA Teflon® Insulated Flat Pair Cable and Tails

Types 'K' with 1 metre lead & tails – stainless steel sheath



- Mineral insulated Thermocouple to ANSI MC96.1
- Type 'K' with 310 stainless steel sheath
- Highly flexible, sheath can be bent/formed to suit many applications and processes
- Insulated hot junction
- Plain pot seal (200°C)
- 1 metre 7/0.2mm PFA Teflon® insulated flat pair cable and tails (colour coded to ANSI MC96.1)

Specifications

Sensor type:	Type 'K' (Nickel Chromium/Nickel Aluminium)
Construction:	Flexible mineral insulated probe with stainless steel sheath, plain pot seal & 1 metre extension cable
Element/hot junction:	Single element, junction insulated from sheath (offers protection against spurious electrical signals)
Termination:	1 metre 7/0.2mm PFA Teflon® insulated flat pair cable, colour coded in accordance with ANSI MC96.1
Probe temperature range:	Type 'K' -40°C to +1100°C >1.0mm diameter -40°C to +750°C – 1.0mm diameter and below
Pot seal rating:	200°C

Order codes:

Type 'K' – 310 stainless steel sheath:

Good corrosion & oxidation resistance to suit a wide range of processes, satisfactorily operates in sulphur bearing atmospheres

Typical applications include brick & cement kilns, glass industry, heat treatment & annealing furnaces, power stations, flues, heat exchangers etc.

T/C Type	Probe Dia. (mm)	Probe Length (mm)	Cable jacket	Tails: +pos/-neg	Allied code	RS order code
K	1.0	150	Yellow	Yellow/Red	70658112	847-1019
K	1.0	250	Yellow	Yellow/Red	70658115	847-1028
K	1.0	500	Yellow	Yellow/Red	70658113	847-1021
K	1.5	150	Yellow	Yellow/Red	70658114	847-1025
K	1.5	250	Yellow	Yellow/Red	70658117	847-1034
K	1.5	500	Yellow	Yellow/Red	70658118	847-1037
K	3.0	150	Yellow	Yellow/Red	70658116	847-1031
K	3.0	250	Yellow	Yellow/Red	70658119	847-1040
K	3.0	500	Yellow	Yellow/Red	70658120	847-1043
K	4.5	150	Yellow	Yellow/Red	70658121	847-1047
K	4.5	250	Yellow	Yellow/Red	70658123	847-1056
K	4.5	500	Yellow	Yellow/Red	70658124	847-1059
K	6.0	150	Yellow	Yellow/Red	70658122	847-1053
K	6.0	250	Yellow	Yellow/Red	70658125	847-1062
K	6.0	500	Yellow	Yellow/Red	70658126	847-1065

Stainless Steel Compression Glands – Parallel, Tapered & M16 Thread

(BSP, BSPT, M16)



(BSP parallel example - 381-7362, see below for other sizes)



(BSPT tapered example – 286-787, see below for other sizes)

- Thermocouple installation fittings
- To suit a wide range of mineral insulated and other probe type sensors offered by RS
- Male in-line stainless steel compression type with nut & olive
- 1/8", 1/4", & 1/2" BSP parallel or BSPT tapered threads available. 1/2" M16 thread also available.
- Suits 1.0mm, 1.5mm, 3.0mm, 4.0mm, 4.5mm, 6.0mm, 8.0mm, 1/8", 1/4" or 3/16" probe diameters
- Stainless steel locknuts also available (see below)

BSP Parallel:

Type	Thread Size	Thread Type	Suits Probe Ø	Allied code	RS order code
St/Steel	1/8"	BSP Parallel	1.0mm	70654828	804-7975
St/Steel	1/8"	BSP Parallel	1.5mm	70643728	381-7334
St/Steel	1/8"	BSP Parallel	3.0mm	70643729	381-7340
St/Steel	1/8"	BSP Parallel	4.0mm	70657784	839-9566
St/Steel	1/8"	BSP Parallel	4.5mm	70657785	839-9569
St/Steel	1/8"	BSP Parallel	6.0mm	70643730	381-7356
St/Steel	1/8"	BSP Parallel	1/4"		110-4476
St/Steel	1/8"	BSP Parallel	1/8"	70657782	839-9557
St/Steel	1/8"	BSP Parallel	3/16"	70657783	839-9563
St/Steel	1/4"	BSP Parallel	3.0mm	70643731	381-7362
St/Steel	1/4"	BSP Parallel	4.5mm	70657786	839-9572
St/Steel	1/4"	BSP Parallel	6.0mm	70643732	381-7378
St/Steel	1/4"	BSP Parallel	1/4"	70657787	839-9575
St/Steel	1/4"	BSP Parallel	3/16"	70657779	839-9547
St/Steel	1/2"	BSP Parallel	3.0mm	70657788	839-9579
St/Steel	1/2"	BSP Parallel	4.5mm	70657791	839-9588
St/Steel	1/2"	BSP Parallel	6.0mm	70643735	381-7407
St/Steel	1/2"	BSP Parallel	8.0mm	70657789	839-9581

BSPT Tapered:

Type	Thread Size	Thread Type	Suits Probe Ø	Allied code	RS order code
St/Steel	1/8"	BSPT Tapered	1.0mm	70654831	804-7984
St/Steel	1/8"	BSPT Tapered	1.5mm	70637825	286-743
St/Steel	1/8"	BSPT Tapered	3.0mm	70636461	158-610
St/Steel	1/8"	BSPT Tapered	4.5mm	70637826	286-759
St/Steel	1/8"	BSPT Tapered	6.0mm	70657792	839-9591
St/Steel	1/8"	BSPT Tapered	1/4"		110-4475
St/Steel	1/8"	BSPT Tapered	1/8"	70657793	839-9594
St/Steel	1/8"	BSPT Tapered	3/16"	70657794	839-9597
St/Steel	1/4"	BSPT Tapered	3.0mm	70643733	381-7384
St/Steel	1/4"	BSPT Tapered	4.5mm	70657796	839-9604
St/Steel	1/4"	BSPT Tapered	6.0mm	70643734	381-7390
St/Steel	1/4"	BSPT Tapered	1/4"	70657797	839-9608
St/Steel	1/4"	BSPT Tapered	1/8"	70657795	839-9601
St/Steel	1/4"	BSPT Tapered	3/16"	70657790	839-9585

St/Steel	1/2"	BSPT Tapered	3.0mm	70657777	839-9541
St/Steel	1/2"	BSPT Tapered	4.5mm	70637828	286-787
St/Steel	1/2"	BSPT Tapered	6.0mm	70637829	286-793
St/Steel	1/2"	BSPT Tapered	8.0mm	70657780	839-9550

M16

St/Steel	1/2"	M16	3.0mm	70657800	839-9617
St/Steel	1/2"	M16	6.0mm	70657798	839-9610
St/Steel	1/2"	M16	8.0mm	70657799	839-9614

Stainless Steel locknuts also available:



Thread	Allied code	RS order code
S/Steel 1/8" BSPP	70651759	762-1180
S/Steel 1/4" BSPP	70651760	762-1184
S/Steel 1/2" BSPP	70651762	762-1193

Brass Compression Glands – Parallel, Tapered & NPT Thread

BSP, BSPT & NPT



- Thermocouple installation fittings
- To suit a wide range of mineral insulated and other probe type sensors offered by RS
- Male in-line brass compression type with nut & olive
- 1/8" & 1/4" BSP parallel thread to suit 1.5, 3.0, 4.0, 4.5 & 6.0mm. 3/16 also available.
- 1/2", 1/4" & 1/8" BSPT tapered thread to suit 1.5mm, 3.0mm, 4.5mm, 6.0mm, 1/8" & 3/16"
- Brass locknuts also available

BSPP Parallel:

Type	Thread Size	Thread Type	Suits Probe Ø	Allied code	RS order code
Brass	1/8"	BSP Parallel	1.5mm	70657765	839-9496
Brass	1/8"	BSP Parallel	3.0mm	70643725	381-7277
Brass	1/8"	BSP Parallel	4.0mm	70657764	839-9490
Brass	1/8"	BSP Parallel	4.5mm	70657766	839-9500
Brass	1/8"	BSP Parallel	6.0mm	70657768	839-9507
Brass	1/8"	BSP Parallel	3/16	70657767	839-9503
Brass	1/4"	BSP Parallel	3.0mm	70643727	381-7306
Brass	1/4"	BSP Parallel	4.5mm	70657770	839-9519
Brass	1/4"	BSP Parallel	3/16	70657769	839-9513

BSPT Tapered:

Brass	1/8"	BSPT Tapered	1.5mm	70637822	286-715
Brass	1/8"	BSPT Tapered	3.0mm	70637823	286-721
Brass	1/8"	BSPT Tapered	4.5mm	70637824	286-737
Brass	1/8"	BSPT Tapered	6.0mm	70657773	839-9529
Brass	1/8"	BSPT Tapered	1/8	70657771	839-9522
Brass	1/8"	BSPT Tapered	3/16	70657772	839-9525
Brass	1/4"	BSPT Tapered	3.0mm	70657774	839-9531
Brass	1/4"	BSPT Tapered	6.0mm	70657778	839-9544
Brass	1/4"	BSPT Tapered	1/4mm	70657776	839-9538
Brass	1/4"	BSPT Tapered	3/16	70657775	839-9535
Brass	1/2"	BSPT Tapered	6.0mm	70657781	286-771

NPT

Brass	1/8"	NPT	1.5mm	70657781	839-9553
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Brass locknuts also available:**Thread**

Brass 1/8" BSPP

Brass 1/4" BSPP

Brass 1/2" BSPP

Allied code

70651756

70651757

70651758

RS order code**762-1171****762-1174****762-1178**