

**Product Code:
SD052**



Description:

The SD052 series are designed for laboratory ovens, dry heat sterilisers and depyrogenation applications.

For dry heat sterilisation and depyrogenation when operating in temperatures of up to 300°C, the type 'T' thermocouple would have Kapton® insulation. Optional protective braid or flexible conduit is available with the flying leads.

Specification:

SHEATH DIMENSIONS	Diameter : Metric: 3.0mm, 4.0mm, 4.5mm, 5.0mm, 6.0mm, 8.0mm Imperial: 1/8", 3/16", 1/4" Length: 100mm to as required
MATERIAL	316/316L stainless steel
RTD OPTION	
DETECTOR	Single or duplex PT100 with 3 or 4 wire connection, Class 'A' or fractional DIN tolerance and to BS EN 60751:2008.
LEADS	PTFE insulated copper conductors, 7/0.16mm to ASTM B298 with a 250V RMS rating as standard and contained within an PFA jacket with a minimum overall length of 1000mm.
OPERATING RANGE	0 to +250°C
THERMOCOUPLE OPTION	
ELEMENT	Single, duplex or triplex element, type 'T' (Cu/Con) to BS EN 60584-1:2013.
LEADS	PTFE insulated type 'T' conductors, 1/0.3mm or 7/0.2mm as standard in Class 1 material. Single thermocouple construction, flat pair with a PFA insulation and jacket. Duplex thermocouple construction, twisted pairs with a PFA insulation and jacket. Triplex thermocouple construction, three individual flat pairs, each with PFA insulation and contained within a silicone sleeve. Minimum overall length of 1000mm.
OPERATING RANGE	0 to +250°C (+300°C Kapton®)
PROCESS CONNECTIONS	See our range of compression fittings (MSC). Sheath can be supplied with a welded on Tri-clamp flange also in 316L stainless steel.

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