

Open Disc Terminal Blocks

The open disc terminal blocks are available for both single and dual element thermocouples or single-element RTD assemblies. They are available in two different materials. Ceramic discs are rated for 1000°F (530°C) and silicone/glass fiber discs are rated for 350°F (117°C). Silicone glass/fiber has a higher resistance to vibration and thermal shock than do the ceramic discs.

Each disc is assembled to a 1" O.D. × 1/8" thick brass (standard) or optional stainless steel back-up plate by two screws, and the plate is directly brazed to the sensor sheath.

Ceramic Open Disc with Brass Back-Up Plate and Mounting Screws

Sheath O.D. (in)	Approximate Dimensions (in)	Part Number			Six Wire Approximate Dimensions (in)
		Single Element	Dual Element	Six Wire Element	
1/8	1 1/8 O.D. × 1/16 H	TCH10045	TCH10048	TCH10051	2 1/2 O.D. × 1/16 H
3/16	1 1/8 O.D. × 1/16 H	TCH10046	TCH10049	TCH10052	2 1/2 O.D. × 1/16 H
1/4	1 1/8 O.D. × 1/16 H	TCH10047	TCH10050	TCH10053	2 1/2 O.D. × 1/16 H

Ceramic Open Disc with Stainless Steel Back-Up Plate and Mounting Screws

Sheath O.D. (in)	Approximate Dimensions (in)	Part Number			Six Wire Approximate Dimensions (in)
		Single Element	Dual Element	Six Wire Element	
1/8	1 1/8 O.D. × 1/16 H	TCH10054	TCH10057	TCH10060	2 1/2 O.D. × 1/16 H
3/16	1 1/8 O.D. × 1/16 H	TCH10055	TCH10058	TCH10061	2 1/2 O.D. × 1/16 H
1/4	1 1/8 O.D. × 1/16 H	TCH10056	TCH10059	TCH10062	2 1/2 O.D. × 1/16 H

Silicone/Glass Fiber Open Disc with Brass Back-Up Plate and Mounting Screws

Sheath O.D. (in)	Approximate Dimensions (in)	Part Number	
		Single Element	Dual Element
1/8	1" O.D. × 1/16 H	TCH10063	N/A
3/16	1" O.D. × 1/16 H	TCH10064	N/A
1/4	1" O.D. × 1/16 H	TCH10065	N/A

Silicone/Glass Fiber Open Disc with Stainless Steel Back-Up Plate and Mounting Screws

Sheath O.D. (in)	Approximate Dimensions (in)	Part Number	
		Single Element	Dual Element
1/8	1" O.D. × 1/16 H	TCH10066	N/A
3/16	1" O.D. × 1/16 H	TCH10067	N/A
1/4	1" O.D. × 1/16 H	TCH10068	N/A

Ceramic Disc for Single Element



P/N: TCA-110-126

Ceramic Disc for Dual Elements



P/N: TCA-110-127

Silicone/Glass Fiber for Single Element Only



P/N: TCA-110-128

Ceramic Disc for Six Wire



P/N: TCA-110-129