



OGUSSA



THERMOCOUPLE WIRE
of Platinum/Rhodium

Österreichische Gold- und Silber-Scheideanstalt based in Vienna is an internationally active company in the field of precious metals and related technologies. Our company has been founded in 1862 in Vienna as a refinery and began to broaden its range of products and services to other industrial applications. Our use of the very latest technological processes enables us to meet our customers' high expectations every day.

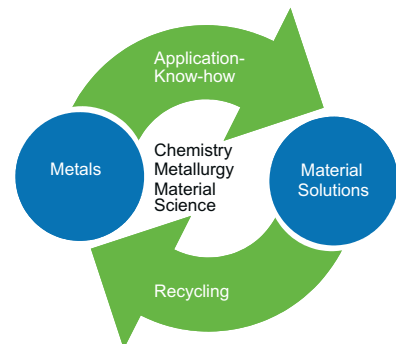
For our clients this means reliable quality from a single supplier, competent advice on precious metal prices, products, reconditioning and logistics as well as technological and innovative support related to any questions about precious metals.

Our clients have in us a partner which has received certification compliant with: ISO 9001:2000 (quality management), ISO 14.001 (environmental management), ISO 13.485 (medical devices), TS 16.949 (automotive industry) and Responsible Care (voluntary initiative of the chemicals industry).



Limiting deviation of Thermocouples according to ANSI MC96.1 1982

Type	Special	Standard
Type R + S Temperature range Limiting deviation	0°C - 1450°C +/- 0,6°C or +/- 0,001 · t	0°C - 1450°C +/- 1,5°C or +/- 0,0025 · t
Type B Temperature range Limiting deviation	- -	870°C - 1700°C +/- 6,0°C or +/- 0,005 · t



Diameter	ohm/m	g/m at 20°C	Working Temperature Range	
			Continuous use	Intermittent use
Thermowire Pt10%Rh, Type S				
0,35 mm*	2,01	1,92	1300°C	1600°C
0,50 mm*	0,98	3,92	1300°C	1600°C
Thermowire Pt13%Rh, Type R				
0,35 mm*	2,05	1,88	1300°C	1600°C
0,50 mm*	1,01	3,84	1300°C	1600°C
Thermowire Pt for Type R + S				
0,35 mm*	1,11	2,06	1300°C	1600°C
0,50 mm*	0,54	4,20	1300°C	1600°C
Thermowire Pt30%Rh, Type B				
0,35 mm*	2,19	1,70	1500°C	1700°C
0,50 mm*	1,07	3,47	1500°C	1700°C
Thermowire Pt6%Rh, Type B				
0,35 mm*	1,83	1,98	1500°C	1700°C
0,50 mm*	0,94	4,04	1500°C	1700°C

* in stock; other dimensions on request.

In addition to the standard diameters of 0.35 and 0.50 mm other diameters are available according to customer requirements. Delivered on coil from stock or made with a welded bead as pair. All deliveries have a quality certificate attached in which the fundamental values of the thermocouple voltage according to EN 60584 -1996 and ASTM E 230-98E1 are guaranteed.

Suitable thermowells made of platinum/rhodium and FKS 16 Pt complete our product range for the high temperature measurement. As a service to our customers we offer the return of precious metal waste. In-house recycling makes ÖGUSSA flexible, fast and budget-priced.

Limiting deviation of Thermocouples according to EN 60584 – 1996


Type	Class 1	Class 2	Class 3
Type R + S			
Temperature range	0°C - 1600°C	0°C - 1600°C	-
Limiting deviation	+/- 1,0°C or +/- [1,0+0,003 ·(t-1100)]°C	+/- 1,5°C or +/- 0,0025 · t	-
Type B			
Temperature range	-	600°C - 1700°C	600°C - 1700°C
Limiting deviation	-	+/- 1,5°C or +/- 0,0025 · t	+/- 4,0°C or +/- 0,005 · t





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THE WORLD OF PRECIOUS METALS