



**Phoenix<sup>TM</sup>**  
Phoenix Temperature Measurement

# TS02-128

Small size Thermal Barrier for TUS measurements  
in compact furnaces



Datasheet





## TS02-128

This barrier is especially designed for TUS measurements where space is a premium in many modern compact chamber furnaces.

Strengthened and reinforced at critical points to minimise distortion, PhoenixTM TS02 Thermal Barriers are designed to offer full protection to the data logger in demanding high temperature conditions. Designed to accommodate a data loggers with 6 channels this barrier is fitted with extra heavy duty catches, dual thermocouple exits and user replaceable thermocouple wear strips to help extend the life of the thermal barrier. Offered with a quench deflector option for use in processes with a high-pressure gas quench.

- Size optimized to fit in Small Furnace Chambers
- Low Thermal Mass, Volume and Foot Print
- Robust 310 SS construction – No distortion and extended life
- Low effect on furnace temperature distribution
- Custom designed independent low height quench deflector (4 Leg)
- Quench deflector does not compromise the barrier foot print area
- Designed for use with Sigma Logger (6 channel)

Thermal performance:

Type	TS02-128-1 air / vac
752 °F / h	3.0 / 3.6
1112 °F / h	1.2 / 1.4
1472 °F / h	0.9 / 1.1
1832 °F / h	0.7 / 0.9
Height / inch	5.0
Width / inch	6.7
Length / inch	13.6
Weight / lbs	26.4



Need a thermal barrier to suit your application? Tell us your requirements and if it's possible we'll design and manufacture it for you! We are constantly developing and looking forward to any new challenge.

**PhoenixTM LLC**  
4600 140th Avenue North,  
Suite 180,  
Clearwater  
FL 33762 USA  
Tel.: +1 (727) 608 4314



[www.phoenixtm.com](http://www.phoenixtm.com)  
[info@phoenixtm.com](mailto:info@phoenixtm.com)