

## Pure Rhenium, Tungsten/Rhenium and Moly/Rhenium Wire

### Standard Sizes Of Wire

	Diameter Range (in.)	Standard Analysis		
		Re	Mo	W
Pure Rhenium Wire	.005 to .090	99.99%	-	-
Molybdenum/Rhenium Wire	.0005 to .090	47.50%	52.50%	-
Tungsten/Rhenium Wire	.002 to .090	25%	-	75%
	.002 to .090	26%	-	74%
	.003 to .060	5%	-	95%
	.003 to .060	3%	-	97%

Full intermediate and metric sizes are available on request, in lengths per request. Smaller and larger diameters can be made by special order. Ask us about other Molybdenum/Rhenium and Tungsten/Rhenium alloy combinations also being manufactured. Analysis shown are based on metallic content.

HeatWave Labs, Inc. provides three varieties of wire in sizes as small as .0005" diameter. Good prices, quality products and quick delivery combine to give our customers exactly what their looking for. Often used as filler wires in welding and in various electronic uses, rhenium and molybdenum/rhenium wires remain very ductile even after high temperature exposure.

Our pure rhenium wire meets a 99.99% purity grade on a metallic content basis. With high ductility it can easily be welded using electron beam or Heliarc techniques. Tungsten/Rhenium is used for heating elements in high temperature furnaces, thermocouples and in electronics. Its advantage is its ability to maintain greater ductility compared to Tungsten after exposure to extremely high temperatures. Molybdenum/Rhenium, 47.5% wire has proven useful in welding, electronics and has been manufactured into wire mesh grids for the space industry.

All three wire grades are available in a full range of sizes and will be readily delivered to meet your needs. Sizes can be specified in either english or metric units.



#### Model 101955 High Temperature Sheathed Heating Element

- Tantalum sheath and core
- Al<sub>2</sub>O<sub>3</sub> or MgO insulation
- 1200°C rated

Dash #	"A"	"B"	@ 1200 Deg. C	
			Current	Voltage
-01	.098	.040	32A	.62V/in.
-02	.062	.025	8A	.62V/in.

