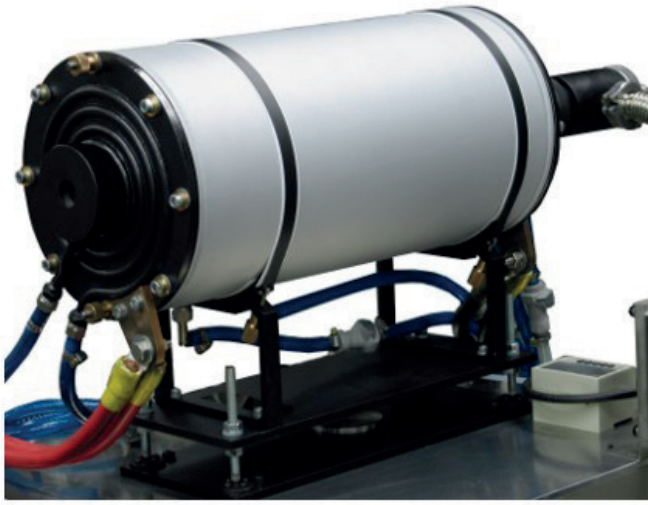
Ultra High temperature blackbody, model BB3500M series



Is **DESIGNED TO** be used as high-temperature heater for high-temperature reference points on the basis of metal-carbon eutectic and peritectic compounds, and as reference Planck radiator for reproduction and transfer of unit dimension of Spectral density of radiance (SDR), Spectral density of irradiance (SDI), Light intensity etc.

FUNCTIONAL USE OF PRODUCTS

Reference optical source (Planck radiator) for reproducing and transfer of unit dimension of Spectral density of radiance (SDR), Spectral density of irradiance (SDI), Light intensity in spectral range 250 – 2500 nm.

It is **USED FOR** calibration of pyrometers and spectral radiometer, including space basing.

Also, BB3500M is **DESIGNED TO** be used as a temperature heater for high-temperature reference points based on metal-carbon eutectic and peritectic compounds, which are the basis of the temperature scale in the temperature range above 2000 K.

Temperature range	1500-3300 K
Radiation capacity	0,9995 ± 0,0005
Material of radiating cavity	Pyrolytic graphite
Form of radiating cavity	Cylindrical
Diameter of radiating cavity	47
Diameter of outlet	25 mm (maybe be increased up to 47 mm)
Lifetime of changeable radiator	⩾ 300 hours at T = 3200 K
Cooling	Water
Water flow	>> 20 l/min
Operating environment	Argon
Argon flow	3 l/min
Supply	DC
Maximum current of power supply	800 A
Maximum voltage of power supply	32 V

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