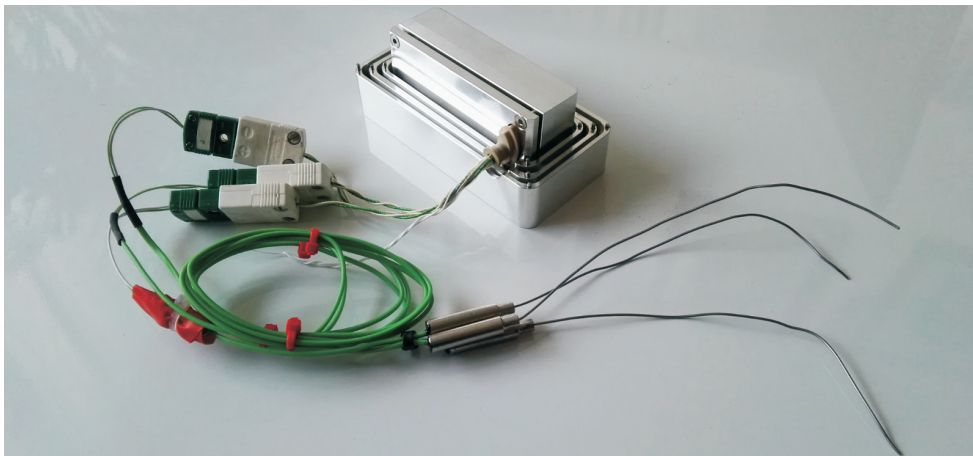


Wireless temperature measurement device for vacuum coating machines

The temperature measurement device was developed to be used in coating machines used by the optical industry.

The TFUNK-100SP is connected with three thermocouples TypK (Ni / NiCr). The battery powered and vacuumtight device as well as the thermocouples can be placed elsewhere on the (moving) substrate holder of coating machine. The temperatures are measured every 2-5 seconds and sent out by a 2.4GHz wireless connection to a receiving station outside the coating machine. The basis station is connected by USB or Ethernet to a PC or network. The device can also be used as data logger to store the data internally until the device is read out.



Data:	User defined measuring and transceiving intervals > 2 seconds Dataloggerfunction (1200 datapoints)
Thermocouples:	3x Typ K (Ni/NiCr) thermocouples The system delivers three female ceramic thermocouple connectors for any Typ K thermocouple.
Energy:	1x Li-SOCl ₂ (type AA batteries) sufficient for approx. 500h - 1000h working time
Temperature range:	up to 200°C (for max. 5-6h)
Communication:	wireless 2.4GHz using a manual remote control or a base station which connects over USB or Ethernet to PC or network.
Dimensions:	W:95mm D:35mm H:30mm W:110mm D:55mm H:50mm with thermal isolation
Mass:	135gramm (260gramm with thermal isolation)
Price:	Please contact us for an offer
Contact:	Phone: +49 (0) 151 194 19 194 Email: info@sigma-physik.de