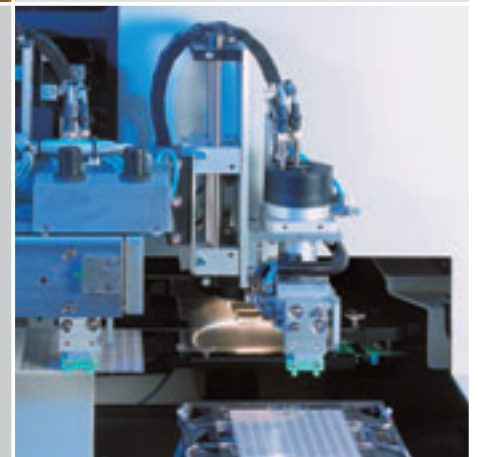
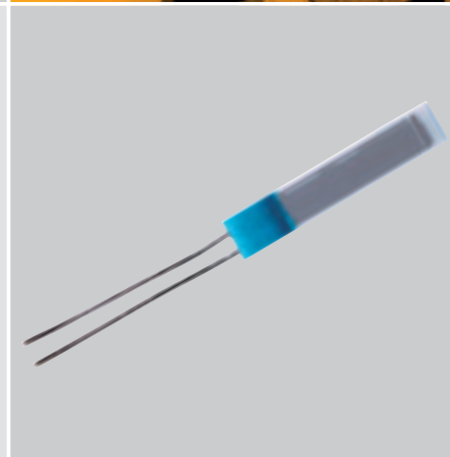
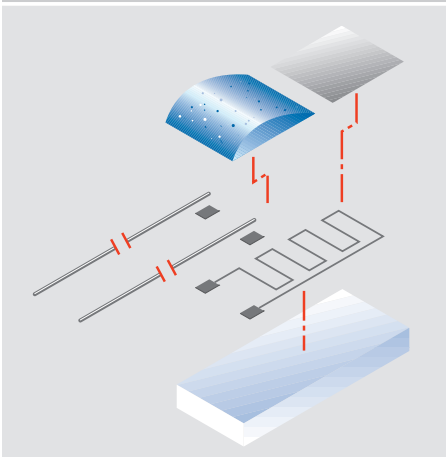
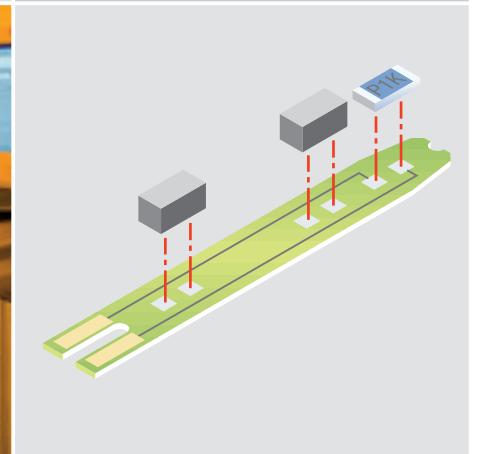
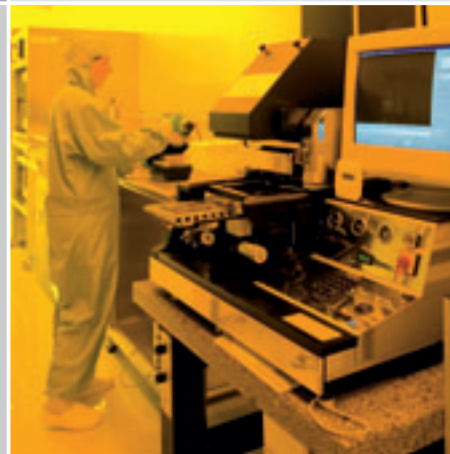
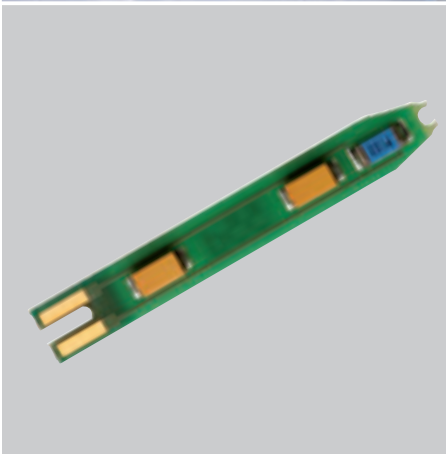
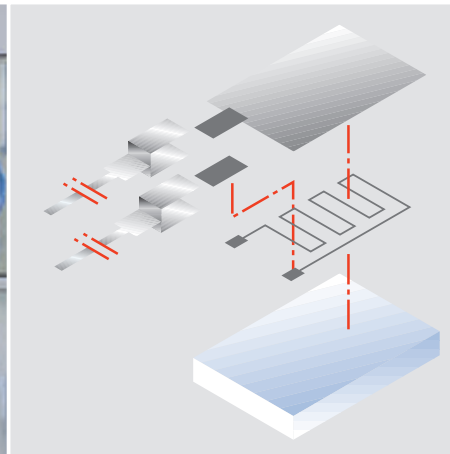


Temperature Sensor Technology



JUMO – Your Competent Partner for Sensor Applications



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for temperature sensors
in International Sales
and Applications
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E-Mail: peter.deiss@jumo.net

JUMO, a medium-sized, third-generation family business headquartered in Fulda, offers a varied range of platinum temperature sensors.

With an annual production of several million temperature sensors, JUMO is one of the most important global suppliers.

Thin-film method platinum temperature sensors

- Precision and long-term stability from the clean room
- Tolerances from $\pm 0.1^\circ\text{C}$ in series production
- Modified procedures from semiconductor production have consistently been adapted to Pt 100 production since the eighties
- Economical mass production combined with the highest standards of quality round off the customer benefit

Looking to the future with the latest production technology

- The trend towards miniaturization keeps increasing the requirements for production processes and clean rooms
- Structures are only $4\mu\text{m}$ wide, and by way of comparison, a human hair is about $100\mu\text{m}$ thick

More than 40 years of experience for our customers

- The experience we gain from making our own temperature probes is directly incorporated in the development of new temperature sensors
- JUMO provides competent support for preparing and assembling temperature sensors

Customized modifications

- Customers and their application requirements are always the focus of attention, particularly when OEM applications are involved
- Much in demand are not only mechanical and geometric system solutions, but also special selections with a low tolerance class

JUMO relies on quality, combined with fair market prices

- A good price/performance ratio, thanks to a high level of automation, and low discard rates
- Expert test and inspection procedures
- High quality from continuously monitoring every step of the process
- Certification in compliance with EN ISO 9001:2000 and EN ISO 14001
- PTB-accredited calibration lab

RoHS Compliant
Directive 2002/95/EC

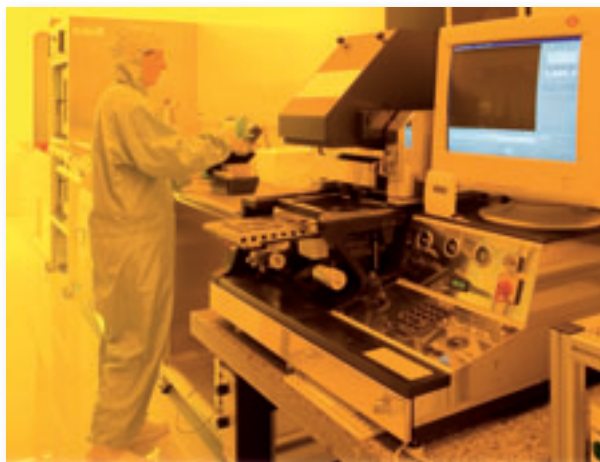


Mechanical processes: welding, sawing

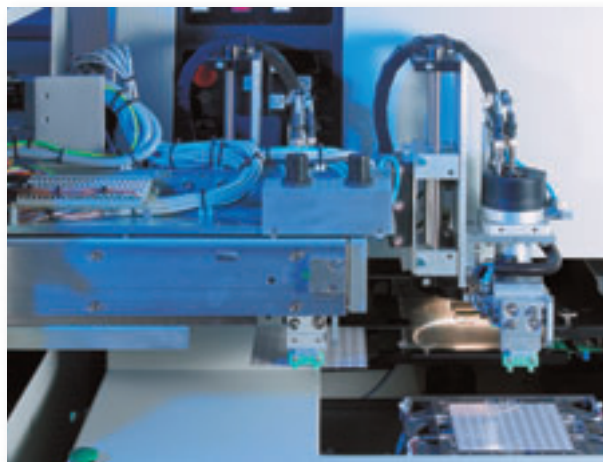




Temperature sensor production under clean room conditions



Photolithography: generating the structure on the substrate



Laser calibration of platinum chip temperature sensors



A wide-ranging selection of different sensor versions is available from stock; we have the right sensor for every application and will be happy to advise you.

Extensive technical descriptions of the sensors can be found at:
<http://rdd.jumo.info>

Overview of products:

Platinum Temperature Sensors with leads

Thin-film techniques according EN 60751,
 Temperature coefficient 3850 ppm/K packing
 in blister belt or bag

1

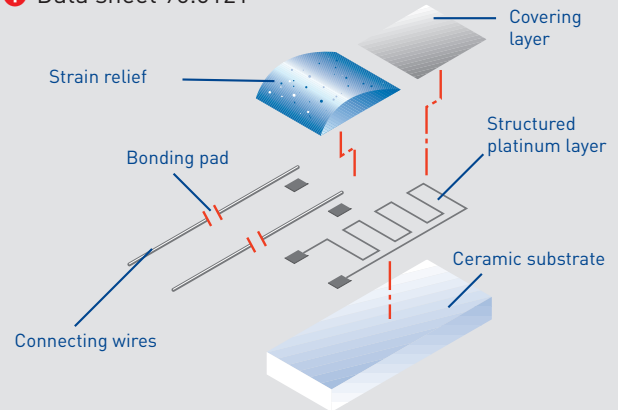
- L-style
 -70 to +250 °C, (350 °C max.)
- S-style
 -70 to +400 °C
- M-style
 -70 to +550 °C (absolutely tight covering layer)
- H-style
 -70 to +600 °C
- E-style
 -70 to +500 °C

other designs

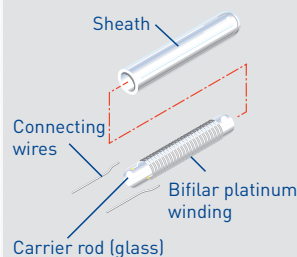
- PG Platinum glass sensors 2
 -200 to +400 °C
- PK Platinum ceramic sensors 3
 -200 to +800 °C
- PCKL Platinum sensors with terminal clamps 4
 -30 to +105 °C
- PCR Platinum sensors in cylindrical style 5
 -70 to +300 °C
- PCS Platinum SMD sensors 6
 -50 to +150 °C
- SMD sensors on Epoxy card 7
 -20 to +150 °C
- PF Platinum foil sensors 8
 -80 to +180 °C

RoHS Compliant
 Directive 2002/95/EC

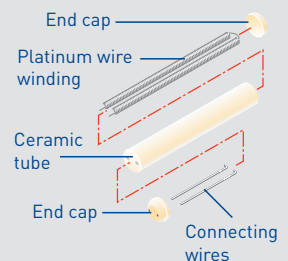
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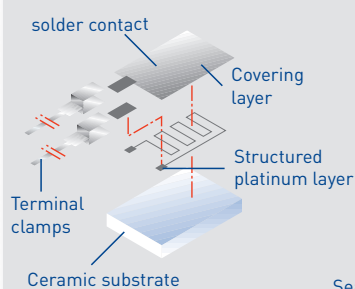
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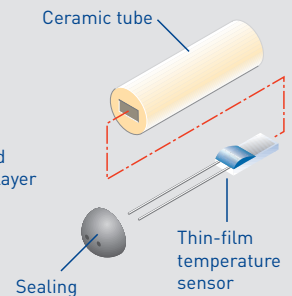
3 Data sheet 90.6022



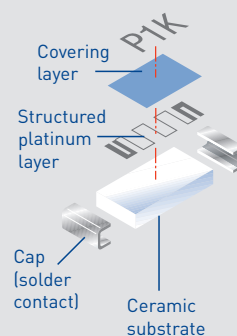
4 Data sheet 90.6123



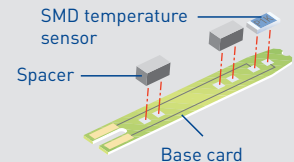
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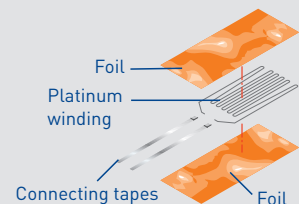
6 Data sheet 90.6125



7 Data sheet 90.6122



8 Data sheet 90.6023



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