



# MANFRED JÜNEMANN

Mess- und Regeltechnik GmbH



***Everything for Your Perfect Measurements***

Made in Europe

# Since 1978, Team Jünemann stands for quality and customer solutions

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## Salesteam Jünemann



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## Your Advantages:

- Very short delivery times
- Competent advice
- Customer-specific solutions
- Wide product range
- Complete solutions from one source
- Manufacturing according to DIN ISO 9001:2015
- Customized with your company logo upon request

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# Pressure measurement

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## Mechanical Measuring:

- Pressure ranges from -1 to +7000 bar
- Optional with drag pointer and more
- Diameters 40 – 250 mm
- Optional with your company logo



## Mechatronic measuring:

- with switching contacts
- up to 4 contacts
- for ATEX areas
- for PLC controls
- for pneumatic controls



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We look forward to receiving your enquiry:  
[verkauf@juenemann-instruments.de](mailto:verkauf@juenemann-instruments.de)

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## Differential pressure gauges:

- Differential pressure from 10 mbar
- Static pressure up to 25 bar
- Robust diaphragm design
- Optional with switching contacts



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## Pressure sensors:

- Pressure ranges from -1 to 3000 bar
- Signals 0/4-20 mA or 0-10 V
- Optionally with cable or M12 plug
- Accuracy up to 0.05% BFSL



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Your contact person:

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# Pressure measurement

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## Digital differential pressure gauges:

- Differential pressure from 2.5 mbar
- Signals 0/4-20 mA or 0-10 V
- Up to 4 relay outputs
- Data logger
- with min/max function



## Flange diaphragm seal:

- Pressure ranges from 0.6 to 250 bar
- DIN EN 1092-1
- ASME B 16.5
- PTFE-Lining



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## Digital measuring devices:

- Pressure ranges from -1 to 2500 bar
- Signals 0/4-20 mA or 0-10 V
- Relay or transistor outputs
- Optionally with battery supply
- with min/max function



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## Cellulose diaphragm seal:

- Pressure ranges from 0.6 to 60 bar
- Application range up to +200 °C
- Optionally with vibration damper
- Counter flange for welding



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Please also visit our homepage:  
[www.juenemann-instruments.de](http://www.juenemann-instruments.de)

# Pressure measurement

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## Food pressure mediator:

- DIN 11851, M 864, APU, Varivent, SMS
- EHEDG certified
- Slotted union nut
- Clamp DIN 32676, BS, ISO



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## Level probes:

- IP68 with integrated equalising capillary
- up to 250 m depth
- Optional with Hart protocol
- Optional with additional weight



**HART**

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## **Inline diaphragm seal:**

- Pressure ranges from 0.6 to 40 bar
- Clamp
- Pipe thread
- DIN 32676, ISO 2852 and BS 4825
- EHEDG certified



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**The respective technical data sheets for our complete product range are available for download on our homepage.**

**[www.juenemann-instruments.de](http://www.juenemann-instruments.de)**

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# LoRaWAN® Wireless

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## Pressure transmitter with LoRaWAN®

- LoRaWAN®-Version 1.0.2
- 4½-digit LCD-Display
- for process industry plants



## Compost probe with LoRaWAN® signal

- Applicable in agriculture
- Measuring range -10 ... +100 °C
- 4-digit LCD display
- Measuring rate and transmission rate adjustable from 1 minute to 20 days



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## Level probe with LoRaWAN® signal

- 4½-digit LCD display
- Digit height 10 mm
- LoRaWAN® - Version 1.0.2
- Ambient temperature -20 ... +70 °C
- Medium temperature -20 ... +80 °C



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## Electric thermometer with LoRaWAN® signal

- 4½-digit LCD display
- Digit height 10 mm
- LoRaWAN® - Version 1.0.2
- Ambient temperature -20 ... +70 °C
- Medium temperature -50 ... +550 °C



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# LoRaWAN® wireless

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## Gateway for LoRaWAN® signals, outdoor use

- Creation and expansion of a LoRaWAN®
- Outdoor installation, even in 'harsh' environments
- Suitable for establishing a connection to IoT devices



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## Areas of application LoRaWAN®

- Smart agriculture with LoRaWAN® in conjunction with our compost probes
- Level measurement in conjunction with level probes
- Measurements in process industry systems in conjunction with pressure and temperature transmitters

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## Gateway for LoRaWAN® signals, indoor use

- LoRaWAN® - Version 1.0.2
- Ambient temperature -20 ... +70 °C
- Medium temperature -20 ... +80 °C



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## Advantages of LoRaWAN®

- High power efficiency
- Overheads, such as additional cabling for power sources, are eliminated
- Reduces the need for manual intervention



# Temperature measurement

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## Temperature sensors:

- Resistance sensors PT100 / 1000
- Thermocouple type: T, J, E, K, S
- Optionally with transmitter
- Various connection types and sizes



## Digital thermometer:

- Signals 0/4-20mA or 0-10 V
- Relay or transistor outputs
- Optionally with battery supply
- High accuracy



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## Cable thermometer:

- Various sensor shapes
- from 1.5mm diameter
- Customised cable materials and lengths



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## Temperature measuring moulds:

- PT100 / PT1000 output
- Signals 0/4-20 mA or 0-10 V
- optionally with cable or M12 plug
- Compact design
- optionally with neck tube



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We look forward to your enquiry.

# Temperature measurement

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## Bimetal thermometer:

- Measuring range  $-200\dots+600\text{ }^{\circ}\text{C}$
- Optionally with switch contacts
- Connection direction  
horizontal, vertical and swivelling
- Robust industrial design



## Gas pressure thermometer:

- Measuring range  $-200\dots+800\text{ }^{\circ}\text{C}$
- Capillary with coating
- Various sensor types
- up to 25 m capillary



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## **Machine glass thermometer:**

- Straight and angled
- Measuring range up to 300 °C
- made of stainless steel and brass/aluminium



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**The full product range, together with the relevant technical data sheets, is available for download on the homepage.**

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# Accessories

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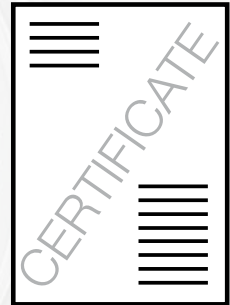
## Thermowells:

- Standard protection tubes
- Flange protection tubes
- Thermowell lengths up to 500 mm
- Weld-in sockets
- 1.4571, P2506H, 16Mo3, 13CrMo44



## Calibration service:

- for pressure and temperature
- EN10204 3.1 and 3.2 Material certificates
- EN10204 3.1 Test reports
- Pressure and temperature
- DAkkS calibration



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## Fittings:

- Shut-off valves
- Siphons
- Seals
- throttle devices
- and much more



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## Dial service:

- We print your customised customer logo for greater visibility on the market



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# Quality since 1978



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