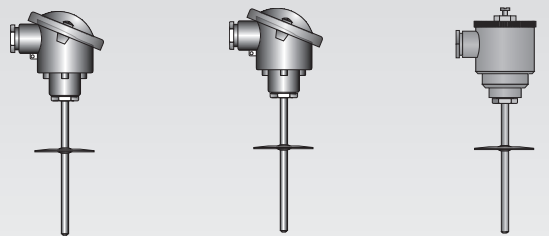


VTH1/VGP2  
Hygienic temperature assemblies



TRA-H10    TRA-H20    TRA-H30



TTP 200    TTP 300    TTP 400

**Configure it**  
Online configuration tool

Online configuration tool enables you to configure any KROHNE transmitter to handle your application in a few simple steps.



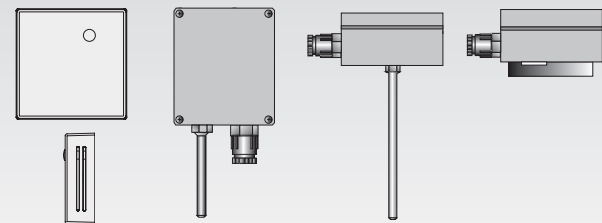
www.krohne-direct.com

VTS9  
Measuring inserts



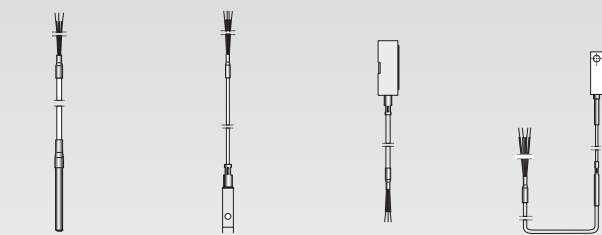
TR/TC-100    TR/TC-100    TR/TC-100

VTE1  
HVAC temperature sensors



TRA-V10    TRA-V20    TRA-V30    TRA-V40

VTE2  
Cable sensors

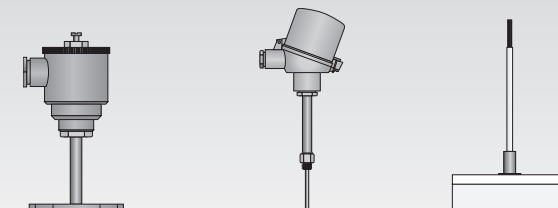


TRA-W10    TRA-W20    TRA-W30    TRA-W40



TRA-W50    TRA-W60    TRA-W70    TRA-W80    TRA-W90

VTE3  
Temperature assemblies  
for advanced requirements



TRA-G10    TRA-G20    TRA-G30

**KROHNE Academy**  
Web Based Trainings for the process industry

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Further information:  
www.krohne.com/temperature

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info@krohne.com

**Global companies and representatives**  
The current list of all  
KROHNE contacts and  
addresses can be found at:  
www.krohne.com



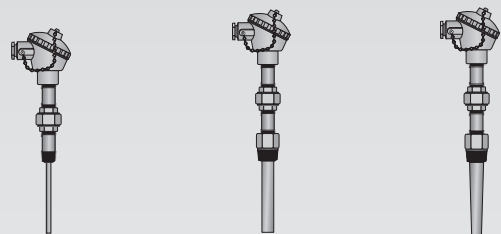
► achieve more

**OPTITEMP portfolio**  
for the temperature measurement

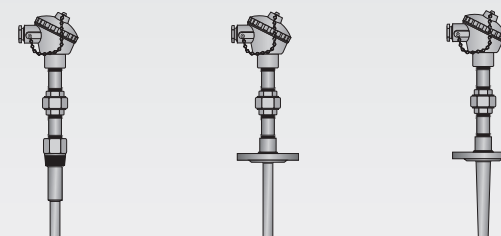


KROHNE INOR  
Temperature Measurement  
Since 1939

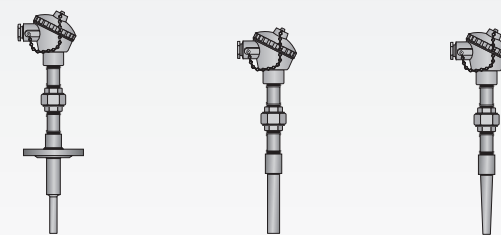
**VTS3**  
Temperature assemblies for advanced requirements (ASME standard)



TRA/TCA-S50    TRA/TCA-TS52    TRA/TCA-TS53

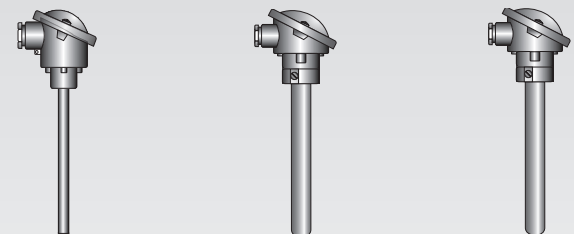


TRA/TCA-TS54    TRA/TCA-TF55    TRA/TCA-TF56

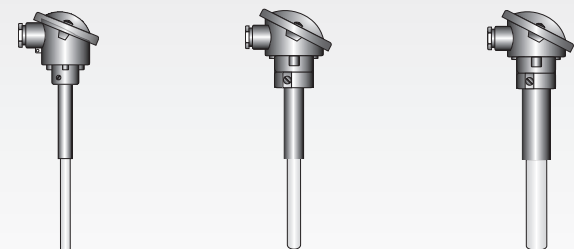


TRA/TCA-TF57    TRA/TCA-TW58    TRA/TCA-TW59

**VTC1**  
High temperature assemblies  
(+600...+1600 °C / +1112...+2912 °F)

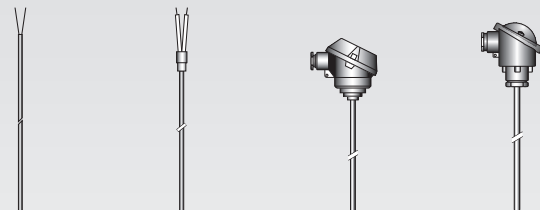


TCA-P60    TCA-P61    TCA-P62

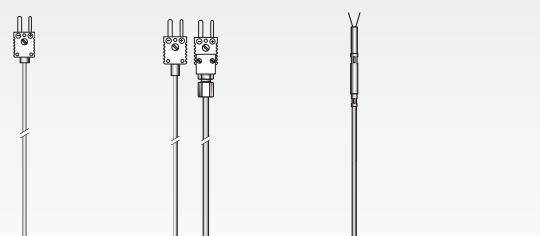


TCA-P63    TCA-P64    TCA-P65

**VTC2**  
Mineral insulated thermocouples

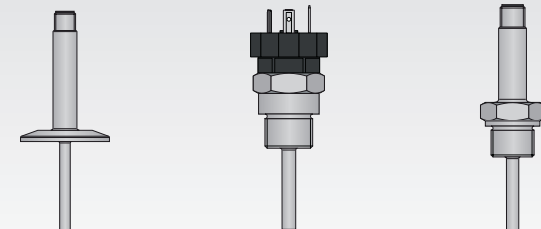


TCA-M10    TCA-M20    TCA-M30    TCA-M40



TCA-M50    TCA-M60    TCA-M70

**Compact sensors**



TRA-C10    TRA-C20    TRA-C30

**Unisolated transmitters**

- TT 10 C/R**  
Analogue adjustable 2-wire RTD/TC transmitter  
Input: Pt100; 3-wire; Type J, L, T, K, N  
Output: 4...20 mA; 0.15 % accuracy  
Power supply: 2-wire (loop powered)
- TT 11 C/R**  
Analogue adjustable 3-wire RTD transmitter  
Input: Pt100, Pt1000; 3-wire  
Output: 0...10 V; 0.15 % accuracy  
Power supply: 15...30 VDC; 3-wire
- TT 20 C**  
Analogue programmable 2-wire RTD transmitter  
Input: Pt100; 3-wire  
Output: 4...20 mA; 0.10 % accuracy  
Power supply: 2-wire (loop powered)

**Isolated transmitters**

- TT 30 C/R**  
Digital 2-wire universal transmitter  
Input: RTD, TC, mV, Ω  
Output: 4...20 mA; 0.10 % accuracy  
Power supply: 2-wire (loop powered)
- TT 31 R**  
Digital 2-wire universal  
1-, 2-channel transmitter  
Input: RTD, TC, mV, Ω  
Output: 4...20 mA; 0.10 % accuracy  
Power supply: 2-wire (loop powered)
- TT 32 R**  
Digital 4-wire universal transmitter  
Input: RTD, TC, mV, Ω, mA  
Output: 4...20 mA/0...10 V; 0.10 % accuracy  
Power supply: 90...250 VAC/20...30 VDC
- TT 40 C/R**  
Digital 2-wire high performance transmitter  
Input: RTD, TC, mV, Ω  
Output: 4...20 mA; 0.05 % accuracy  
Power supply: 2-wire (loop powered)

**Smart transmitters**

- TT 50 C/R**  
Universal 2-wire HART® transmitter  
Input: RTD, TC, mV, Ω  
Output: 4...20 mA; 0.10 % accuracy; HART®  
Power supply: 2-wire (loop powered)
- TT 51 C/R**   
High performance 2-wire HART® transmitter  
Input: RTD, TC, mV, Ω  
Output: 4...20 mA; 0.05 % accuracy;  
HART®, SIL2  
Power supply: 2-wire (loop powered)
- TT 60 C/R**  
Universal PROFIBUS® PA transmitter  
Input: RTD, TC, mV, Ω  
Output: PROFIBUS® PA; 0.10 % accuracy  
Power supply: 2-wire (bus-powered)

**OPTITEMP TT51**  
The new transmitter at a glance



[optitempTT51.krohne.com](http://optitempTT51.krohne.com)

