

WIKAL Alexander Wiegand SE & Co. KG  
 PF 1180 • 63908 Klingenberg • Germany

DELTA TECH GmbH  
 Farshad Shoarian  
 ALSTER TOWER  
 Lübecker Straße 1  
 22087 Hamburg  
 Germany

*Delivery address*  
 Engemann u. Co Internationale Spedition GmbH  
 For Alfons Köster / in order Delta GmbH  
 Otto-Hahn-Str. 29  
 40721 Hilden  
 Germany

## Quotation

## Q110060001-6

24/09/2024

Customer no.	43327028		
Inquiry no.	RFQ for Instruments- PR 200	Contact	Namrata Tayade
Reference	RFQ for Instruments- PR 200	E-Mail	Namrata.Tayade@wika.com
Inquiry date	23/07/2024		
Contact	Farshad Shoarian		
E-Mail	planning@delta-gmbh.eu		
VAT-No.	DE4871404580		
Terms of payment	30 days net	Mode of delivery	Special Agreement
Discount	no cash discount	Terms of delivery	EXW - EX Works
Currency	EUR		

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 Note:For tags LS-RU0001A-01, LS-RU0001B-01, we have not offered the Level switch, as it is not clear from the specifications, which type of the float is required.  
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### Position overview

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
010	2,0000 Pcs			~ 10 weeks	415,96	/1	831,92
		233.30.100 -1/+24 barg 1/2 NPT lower mount					
020	2,0000 Pcs			~ 10 weeks	1.917,21	/1	3.834,42
		IPT-20, -1...+40 bar gauge, Thread 1/2NPT PN1000, ASME B1.20.1 / 316L Sealing: without, -40 ... +105°C, 4...20 mA/HART , ATEX II 1G Ex ia IIC T6...T1 Ga					
030	8,0000 Pcs			~ 10 weeks	1.917,21	/1	15.337,68
		IPT-20, -1...+40 bar gauge, Thread 1/2NPT PN1000, ASME B1.20.1 / 316L Sealing: without, -40 ... +105°C, 4...20 mA/HART , ATEX II 1G Ex ia IIC T6...T1 Ga					
040	2,0000 Pcs			~ 10 weeks	1.917,21	/1	3.834,42
		IPT-20, -1...+40 bar gauge, Thread 1/2NPT PN1000, ASME B1.20.1 / 316L Sealing: without, -40 ... +105°C, 4...20 mA/HART , ATEX II 1G Ex ia IIC T6...T1 Ga					

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 WEEE-Reg-Nr. DE 92770372  
 VAT.No.: DE131878642

Limited partnership company:  
 Place of business Klingenberg  
 Local court Aschaffenburg HRA 1819  
 General partner:  
 WIKAL International SE – Pöb Klingenberg  
 Local court Aschaffenburg HRB 10505  
 Chairman of the board: Alexander Wiegand  
 Chairman of the supervisory board: Prof. Dr. Roderich C. Thümmel

Bank account:  
 Commerzbank Aschaffenburg  
 BIC: COBADEFF795  
 IBAN DE57 7954 0049 0104 1177 00  
 Sparkasse Aschaffenburg Miltenberg  
 BIC: BYLADEM1ASA  
 IBAN: DE95 7955 0000 0430 1062 94  
 Sydbank (DKK Payments)  
 BIC: SYBKDK22  
 IBAN: DK02 8072 0001 0403 60



**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
010	2,0000 Pcs			~ 10 weeks	415,96	/1	831,92

233.30-E-8V425Z-ND-UZHZZZZ-ZZZ1ZZZ  
 CERT22-EG2D-AA- - - - - -  
 CERT31-EG2D-AB-BB-CF- - - - -  
 LABEL-PG2DE-ZZZZZ  
 Bourdon Tube Pressure Gauges, Safety Pattern  
 Series EN 837-1  
 Model: 233.30  
 Specifications according to data sheet: PM 02.04  
 Measuring system: stainless steel  
 Case filling: with  
 Nominal size: 100 mm  
 Measuring range: vacuum- or compound-range  
 Scale range: -1...+24 barg  
 Process connection: 1/2 NPT  
 Connector location: lower mount  
 Window: laminated safety glass  
 Pointer: adjustable pointer  
 Accuracy class: class 1.0  
 Case material: Stainless steel 316Ti  
 Material pressure element: Measuring System 316L  
 Case filling fluid: glycerine  
 Ingress protection: IP 65  
 Permissible medium temperature: + 100 °C  
 Permissible ambient temperature: -20 ... +60 °C  
 Pressure Gauge Standard: International (standard Europe)  
 with Serial number  
 Permissible ambient temperature: -20 ... +60 °C  
 Test report 2.2 per EN 10204  
 Certificate Language: English and German  
 Certificate for: pressure gauge  
 Formal certificate: Manufactured according to state-of-the-art  
 Inspection certificate 3.1 per EN 10204  
 Certificate type: Inspection certificate acc. to DIN EN 10204 3.1  
 Certificate Language: English and German  
 Certificate for: pressure gauge  
 Accuracy: Calibration values listed  
 Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis  
 Pressure and stability test: 1.3 x full scale range; duration 5 minutes

- Note :
- 1) Required case material is SS316, offered case material is SS316Ti.
  - 2) Required permissible medium temp. -45 to 120 DegC, not possible to offered because of offered glycerin filled pressure gauge sustain -20 ... +100 °C.
  - 3) Offered accuracy: Calibration value listed is a 5-point calibration.

TAG-1 (SS tag plate)  
 PG-RU0001A-01; PG-RU0001B-01  
 Customs tariff number: 90262040

Discount 17,00% -141,43

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 Sydbank (DKK Payments)  
 BIC: SYBKDK22  
 IBAN: DK02 8072 0001 0403 60

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value
			<b>Line total</b>			<b>690,49</b>		

**Link to product details**

[https://en-co.wika.de/232\\_30\\_233\\_30\\_en\\_co.WIKA](https://en-co.wika.de/232_30_233_30_en_co.WIKA)

020	2,0000	Pcs			~ 10 weeks	1.917,21	/1	3.834,42
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IPT-20-AIA-AIZBZ-H2-BV441-GLYSYZS1-ZZS-1Z  
 CERT22-EGPT-AA- - - - - -  
 CERT31-EGPT-AB-BB-CF- - - - - -  
 Industrial process transmitter IPT-2x with metallic sensor element  
 Model: IPT-20  
 Specifications according to data sheet: PE 86.06  
 Measuring range: adjustable with turn down up to 100 : 1  
 Process connection type: Standard connection with pressure port  
 Electrical approval: ATEX  
 Ignition protection type: Ex i - intrinsically safe  
 Zone: Zone 0 gas [II 1G Ex ia IIC T6...T1 Ga]  
 Housing material: Aluminum single chamber  
 Case version: compact/ IP66/IP67; NEMA 4X  
 Digital Display: with integrated indicating/adjustment module (top)  
 Output signal: 4...20 mA, 2-wire, HART  
 Electrical connection: M20x1,5 / cable gland brass nickel plated (ø5-9mm)  
 Measuring range: -1...+40 bar gauge  
 Accuracy: 0.1 % of span  
 process connection form: Gauge connection open  
 Process connection / wetted parts: Thread ½NPT PN1000, ASME B1.20.1 / 316L  
 Sealing: without, -40 ... +105°C  
 Clean specification: without  
 Filling of sensor: synthetic oil  
 Certification sterile processes: without  
 Wetted parts: stainless steel  
 Certificates/Approvals: with certificate or approval  
 Unit scaling: bar  
 lower scaling prefix: -  
 Scaling lower value: 1.00  
 upper scaling prefix: +  
 Scaling high value: 10.30  
 Density unit: kg/dm³  
 Mounting device: Mounting bracket for wall and pipe mounting (stainless steel) (for 2" pipe)  
 Sensor principle: piezoresistiv  
 Test report 2.2 per EN 10204  
 Certificate Language: English and German  
 Certificate for: process pressure transmitter  
 Formal certificate: Manufactured according to state-of-the-art  
 Inspection certificate 3.1 per EN 10204  
 Certificate type: Inspection certificate acc. to DIN EN 10204 3.1  
 Certificate Language: English and German  
 Certificate for: process pressure transmitter  
 Accuracy: Calibration values listed  
 Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis  
 Pressure and stability test: 1.3 x full scale range; duration 5 minutes

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value	
		Deviation: 1) Required element material stainless steel and Hastelloy offered stainless steel, please check 2) IPT-20 suitable temp. is -40 DegC 3)Required Wetted O-Rings Material : Teflon-coated 316L: not offered 4) Housing material is: Single chamber case, powder-coated aluminium 5)Accuracy: Calibration values listed : this certificate is 5- point calibration 6) Quotated pressure transmitter process connection is 1/2" NPT M. TAG-1 (SS tag plate) PIT-RU0001A-01; PIT-RU0001B-01 Customs tariff number: 90262020						
		Discount 17,00%					-651,85	
		<b>Line total</b>					<b>3.182,57</b>	

**Link to product details**

[https://en-co.wika.de/ipt\\_20\\_ipt\\_21\\_en\\_co.WIKA](https://en-co.wika.de/ipt_20_ipt_21_en_co.WIKA)

030	8,0000 Pcs			~ 10 weeks	1.917,21	/1	15.337,68
		IPT-20-AIA-AIZBZ-H2-BV441-GLYSYZS1-ZZS-1Z CERT22-EGPT-AA- - - - - - CERT31-EGPT-AB-BB-CF- - - - - - Industrial process transmitter IPT-2x with metallic sensor element Model: IPT-20 Specifications according to data sheet: PE 86.06 Measuring range: adjustable with turn down up to 100 : 1 Process connection type: Standard connection with pressure port Electrical approval: ATEX Ignition protection type: Ex i - intrinsically safe Zone: Zone 0 gas [II 1G Ex ia IIC T6...T1 Ga] Housing material: Aluminum single chamber Case version: compact/ IP66/IP67; NEMA 4X Digital Display: with integrated indicating/adjustment module (top) Output signal: 4...20 mA, 2-wire, HART Electrical connection: M20x1,5 / cable gland brass nickel plated (ø5-9mm) Measuring range: -1...+40 bar gauge Accuracy: 0.1 % of span process connection form: Gauge connection open Process connection / wetted parts: Thread ½NPT PN1000, ASME B1.20.1 / 316L Sealing: without, -40 ... +105°C Clean specification: without Filling of sensor: synthetic oil Certification sterile processes: without Wetted parts: stainless steel Certificates/Approvals: with certificate or approval Unit scaling: bar lower scaling prefix: - Scaling lower value: 1.00 upper scaling prefix: + Scaling high value: 27.60 Density unit: kg/dm³ Mounting device: Mounting bracket for wall and pipe mounting (stainless steel) (for 2" pipe) Sensor principle: piezoresistiv					

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
		Test report 2.2 per EN 10204 Certificate Language: English and German Certificate for: process pressure transmitter Formal certificate: Manufactured according to state-of-the-art Inspection certificate 3.1 per EN 10204 Certificate type: Inspection certificate acc. to DIN EN 10204 3.1 Certificate Language: English and German Certificate for: process pressure transmitter Accuracy: Calibration values listed Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis Pressure and stability test: 1.3 x full scale range; duration 5 minutes  Deviation: 1) Required element material stainless steel and Hastelloy offered stainless steel, please check 2) Required Wetted O-Rings Material : Teflon-coated 316L: not offered 3) Housing material is: Single chamber case, powder-coated aluminium 4) Accuracy: Calibration values listed : this certificate is 5- point calibration  TAG-1 (SS tag plate) PIT-RU0001A-02; PIT-RU0001B-02; PIT-RU0001A-03; PIT-RU0001B-03; PIT-RU0001A-05; PIT-RU0001B-05; PIT-RU0001A-06; PIT-RU0001B-06 Customs tariff number: 90262020  Discount 17,00% <span style="float: right;">-2.607,41</span> <b>Line total</b> <span style="float: right;"><b>12.730,27</b></span>					

**Link to product details**

[https://en-co.wika.de/ipt\\_20\\_ipt\\_21\\_en\\_co.WIKA](https://en-co.wika.de/ipt_20_ipt_21_en_co.WIKA)

040	2,0000 Pcs			~ 10 weeks	1.917,21	/1	3.834,42
		IPT-20-AIA-AIZBZ-H2-BV441-GLYSYZS1-ZZS-1Z CERT22-EGPT-AA- - - - - - CERT31-EGPT-AB-BB-CF- - - - - - Industrial process transmitter IPT-2x with metallic sensor element Model: IPT-20 Specifications according to data sheet: PE 86.06 Measuring range: adjustable with turn down up to 100 : 1 Process connection type: Standard connection with pressure port Electrical approval: ATEX Ignition protection type: Ex i - intrinsically safe Zone: Zone 0 gas [II 1G Ex ia IIC T6...T1 Ga] Housing material: Aluminum single chamber Case version: compact/ IP66/IP67; NEMA 4X Digital Display: with integrated indicating/adjustment module (top) Output signal: 4...20 mA, 2-wire, HART Electrical connection: M20x1,5 / cable gland brass nickel plated (ø5-9mm) Measuring range: -1...+40 bar gauge Accuracy: 0.1 % of span process connection form: Gauge connection open Process connection / wetted parts: Thread ½NPT PN1000, ASME B1.20.1 / 316L Sealing: without, -40 ... +105°C					

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**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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Clean specification: without  
 Filling of sensor: synthetic oil  
 Certification sterile processes: without  
 Wetted parts: stainless steel  
 Certificates/Approvals: with certificate or approval  
 Unit scaling: bar  
 lower scaling prefix: -  
 Scaling lower value: 1.00  
 upper scaling prefix: +  
 Scaling high value: 27.60  
 Density unit: kg/dm<sup>3</sup>  
 Mounting device: Mounting bracket for wall and pipe mounting (stainless steel) (for 2" pipe)  
 Sensor principle: piezoresistiv  
 Test report 2.2 per EN 10204  
 Certificate Language: English and German  
 Certificate for: process pressure transmitter  
 Formal certificate: Manufactured according to state-of-the-art  
 Inspection certificate 3.1 per EN 10204  
 Certificate type: Inspection certificate acc. to DIN EN 10204 3.1  
 Certificate Language: English and German  
 Certificate for: process pressure transmitter  
 Accuracy: Calibration values listed  
 Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis  
 Pressure and stability test: 1.3 x full scale range; duration 5 minutes

Deviation:

- 1) Required element material stainless steel and Hastelloy offered stainless steel, please check
- 2) Required Wetted O-Rings Material : Teflon-coated 316L: not offered
- 3) Accuracy: Calibration values listed : this certificate is 5- point calibration

TAG-1 (SS tag plate)  
 PIT-RU0001A-04; PIT-RU0001B-04  
 Customs tariff number: 90262020

Discount 17,00% -651,85  
**Line total** **3.182,57**

**Link to product details**

[https://en-co.wika.de/ipt\\_20\\_ipt\\_21\\_en\\_co.WIKA](https://en-co.wika.de/ipt_20_ipt_21_en_co.WIKA)

060	2,0000 Pcs			~ 10 weeks	1.638,60	/1	3.277,20
TW15-H-A-M-BC-SI-00070-00050-G3-A-0160-0130-10-1Z CERT31-EG3A-BB-CB- - - - - - - - - - CERT22-EG33-AA- - - - - - - - - - TR12-B-AICZ-13HS-5X2AX-6L-MTAE-15000120-60RZ-1Z CERT31-EG3D-AJ- - - - - - - - - - T32.1S.0IS-Z-5-KKS-ZZ3-Z T32KONF-1PS1003-CEDZZZ-ANNBNB00-Z CERT31-EG3F-AH- - - - - - - - - - TR12-B, Process resistance thermometer for additional thermowell							

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 IBAN: DE95 7955 0000 0430 1062 94  
 Sydbank (DKK Payments)  
 BIC: SYBKDK22  
 IBAN: DK02 8072 0001 0403 60

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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Specifications according to data sheet: TE 60.17  
 Electrical approval: ATEX  
 Ignition protection type: Ex i  
 Zone 1 gas [ II 2G Ex ia IIC T1...T6 Gb ]  
 1xPt100, 3-wire  
 Class A, IEC 60751  
 Temperature range of selected class: -100...+450°C  
 Head / housing: 5/6000, Aluminum, screw cover with digital temp. indicator DIH50  
 Thread size cable entry: 2x M20 x 1.5  
 Cable entry A: Thread (female)  
 Cable entry B: Closing plug  
 Transmitter: T32, Digital-transmitter, HART®, 4...20 mA, universal programmable  
 Neck design: Nipple-Union-Nipple  
 Connection to housing / head: Male thread M20 x 1,5, with adjustable lock nut  
 Connection to thermowell: Male thread M20 x 1,5  
 Neck length [N/MH]: 150 mm (approx. 6.0 inch)  
 Insertion length [A/L1/U2]: 120 mm  
 Diameter measuring insert: 6 mm  
 Sheath material measuring insert: Stainless steel 1.4571  
 Measuring insert length (spare) [I5]: 288 mm  
 Threaded Thermowell TW15, solid machined  
 Specifications according to data sheet: TW 95.15  
 Head design: Hexagon  
 Thermowell style: Tapered  
 Unit of measure: Metric (mm)  
 Process thread [P or E]: 1/2 BSPT  
 Connection to thermometer [N]: M20 x 1,5 female  
 Insertion length [U]: 70 mm  
 Head length [H]: 50 mm  
 Material: Stainless steel 316/316L  
 Bore size [B or d1]: 0.260 inch (6.6 mm)  
 Root diameter [Q]: 16 mm  
 Tip diameter [V or F3]: 13 mm  
 RTD / TC / Thermometer Assembly: TR12-B, Process resistance thermometer for additional thermowell  
 Bore depth / stem length (US) [A]: 113 mm  
 Tip thickness [Tt]: 0.250 inch (6.4 mm)  
 Test certificate acc. to EN 10204 2.2  
 Certificate Language: English and German  
 Thermowell / protection tube  
 Formal certificate: Manufactured according to state-of-the-art  
 Inspection certificate acc. to DIN EN 10204 3.1  
 Certificate Language: English and German  
 Thermowell / protection tube  
 Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis  
 Pressure and stability test: Hydrostatic, internal pressure test - 500 bar (7500 psig) - 3 min.  
 Inspection certificate acc. to DIN EN 10204 3.1  
 Certificate Language: English and German  
 Measuring insert / probe with transmitter  
 Accuracy: 3 test points (0°C / 50°C / 100°C) for RTD  
 Digital temperature transmitter T32  
 with HART-protocol  
 Specifications according to data sheet: TE 32.04

Quotation **Q110060001-6**  
 43327028 DELTA TECH GmbH, Hamburg

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 24/09/2024

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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Output signal: 4 ... 20 mA, 2-wire-design  
 Input: configurable by means of software  
 Measuring range: configurable by means of software  
 Model: T32.1S, head mounting  
 Explosion protection: Ex ia, for ATEX/IEC/CSA/FM/EAC/KOSHA/NEPSI/INMETRO/PESO  
 SIL-Statement: not for SIL applications  
 HART revision: HART® 5  
 Configuration: customer's specification  
 Permissible ambient temperature [Transmitter]: -40 °C ... +85 °C  
 Certificate: calibration values listed  
 Transmitter configuration:  
 Input: resistance thermometer Pt100  
 Sensors: Single-sensor  
 Sensor-calculation-functionality: Sensor 1, Sensor 2 not available  
 Sensor-Drift-Detection: not active  
 Input configuration: 3-wire  
 Unit: °C  
 Measuring range: -50 °C ... +100 °C  
 Output signal: 4 ... 20 mA, linear to temperature  
 Lower output limit: to NAMUR (3,8 mA)  
 Upper output limit: to NAMUR (20,5 mA)  
 Current value for signalling down scale: 3,5 mA (NAMUR down scale)  
 Current value for signalling up scale: 21,5 mA (NAMUR up scale)  
 Signalling of error: down scale (uniform for all kinds of errors)  
 Damping: off  
 Inspection certificate acc. to DIN EN 10204 3.1  
 Certificate Language: English and German  
 Transmitter  
 Accuracy: 3 test points (start / middle / end of transmitter range)

Deviation:  
 1) Offered Neck length [N/MH]: 150 mm (approx. 6.0 inch) instead of 50 mm, please check and confirm.  
 2) Clarification: 70 mm is a thermowell U length and 120 mm is a sensor length (i.e. U length + H Length= sensor A length).  
 3) Ingress protection : IP66.  
 4) Housing material is Aluminum painted

TAG-1 (SS tag plate)  
 TIT-RU0001A-01; TIT-RU0001B-01  
 Customs tariff number: 90251900

Discount 17,00%	-557,12
<b>Line total</b>	<b>2.720,08</b>

**Link to product details**

[https://en-co.wika.de/tw15\\_en\\_co.WIKA](https://en-co.wika.de/tw15_en_co.WIKA)  
[https://en-co.wika.de/tr12\\_b\\_tr12\\_m\\_en\\_co.WIKA](https://en-co.wika.de/tr12_b_tr12_m_en_co.WIKA)  
[https://en-co.wika.de/t32\\_xs\\_en\\_co.WIKA](https://en-co.wika.de/t32_xs_en_co.WIKA)

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
070	2,0000 Pcs	TW15-H-A-M-BC-SI-00040-00050-G3-A-0160-0130-10-1Z CERT31-EG3A-BB-CB- - - - - - - - - - CERT22-EG33-AA- - - - - - - - - - TR12-B-AICZ-13HS-5X2AX-6L-MTAE-15000090-60RZ-1Z CERT31-EG3D-AJ- - - - - - - - - - T32.1S.0IS-Z-5-KKS-ZZ3-Z T32KONF-1PS1003-CEDZZZ-ANNBNB00-Z CERT31-EG3F-AH- - - - - - - - - - TR12-B, Process resistance thermometer for additional thermowell Specifications according to data sheet: TE 60.17 Electrical approval: ATEX Ignition protection type: Ex i Zone 1 gas [ II 2G Ex ia IIC T1...T6 Gb ] 1xPt100, 3-wire Class A, IEC 60751 Temperature range of selected class: -100...+450°C Head / housing: 5/6000, Aluminum, screw cover with digital temp. indicator DIH50 Thread size cable entry: 2x M20 x 1.5 Cable entry A: Thread (female) Cable entry B: Closing plug Transmitter: T32, Digital-transmitter, HART®, 4...20 mA, universal programmable Neck design: Nipple-Union-Nipple Connection to housing / head: Male thread M20 x 1,5, with adjustable lock nut Connection to thermowell: Male thread M20 x 1,5 Neck length [N/MH]: 150 mm (approx. 6.0 inch) Insertion length [A/L1/U2]: 90 mm Diameter measuring insert: 6 mm Sheath material measuring insert: Stainless steel 1.4571 Measuring insert length (spare) [I5]: 258 mm Threaded Thermowell TW15, solid machined Specifications according to data sheet: TW 95.15 Head design: Hexagon Thermowell style: Tapered Unit of measure: Metric (mm) Process thread [P or E]: 1/2 BSPT Connection to thermometer [N]: M20 x 1,5 female Insertion length [U]: 40 mm Head length [H]: 50 mm Material: Stainless steel 316/316L Bore size [B or d1]: 0.260 inch (6.6 mm) Root diameter [Q]: 16 mm Tip diameter [V or F3]: 13 mm RTD / TC / Thermometer Assembly: TR12-B, Process resistance thermometer for additional thermowell Bore depth / stem length (US) [A]: 83 mm Tip thickness [Tt]: 0.250 inch (6.4 mm) Test certificate acc. to EN 10204 2.2 Certificate Language: English and German Thermowell / protection tube Formal certificate: Manufactured according to state-of-the-art Inspection certificate acc. to DIN EN 10204 3.1 Certificate Language: English and German Thermowell / protection tube		~ 10 weeks	1.617,57	/1	3.235,14

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 info@wika.de  
 www.wika.de  
 WEEE-Reg-Nr. DE 92770372  
 VAT.No.: DE131878642

Limited partnership company:  
 Place of business Klingenberg  
 Local court Aschaffenburg HRA 1819  
 General partner:  
 WIKAL International SE – Pöb Klingenberg  
 Local court Aschaffenburg HRB 10505  
 Chairman of the board: Alexander Wiegand  
 Chairman of the supervisory board: Prof. Dr. Roderich C. Thümmel

Bank account:  
 Commerzbank Aschaffenburg  
 BIC: COBADEFF795  
 IBAN DE57 7954 0049 0104 1177 00  
 Sparkasse Aschaffenburg Miltenberg  
 BIC: BYLADEM11ASA  
 IBAN: DE95 7955 0000 0430 1062 94  
 Sydbank (DKK Payments)  
 BIC: SYBKDK22  
 IBAN: DK02 8072 0001 0403 60

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis

Pressure and stability test: Hydrostatic, internal pressure test - 500 bar (7500 psig) - 3 min.

Inspection certificate acc. to DIN EN 10204 3.1

Certificate Language: English and German

Measuring insert / probe with transmitter

Accuracy: 3 test points (0°C / 50°C / 100°C) for RTD

Digital temperature transmitter T32

with HART-protocol

Specifications according to data sheet: TE 32.04

Output signal: 4 ... 20 mA, 2-wire-design

Input: configurable by means of software

Measuring range: configurable by means of software

Model: T32.1S, head mounting

Explosion protection: Ex ia, for ATEX/IEC/CSA/FM/EAC/KOSHA/NEPSI/INMETRO/PESO

SIL-Statement: not for SIL applications

HART revision: HART® 5

Configuration: customer's specification

Permissible ambient temperature [Transmitter]: -40 °C ... +85 °C

Certificate: calibration values listed

Transmitter configuration:

Input: resistance thermometer Pt100

Sensors: Single-sensor

Sensor-calculation-functionality: Sensor 1, Sensor 2 not available

Sensor-Drift-Detection: not active

Input configuration: 3-wire

Unit: °C

Measuring range: -50 °C ... +100 °C

Output signal: 4 ... 20 mA, linear to temperature

Lower output limit: to NAMUR (3,8 mA)

Upper output limit: to NAMUR (20,5 mA)

Current value for signalling down scale: 3,5 mA (NAMUR down scale)

Current value for signalling up scale: 21,5 mA (NAMUR up scale)

Signalling of error: down scale (uniform for all kinds of errors)

Damping: off

Inspection certificate acc. to DIN EN 10204 3.1

Certificate Language: English and German

Transmitter

Accuracy: 3 test points (start / middle / end of transmitter range)

Deviation:

1) Offered Neck length [N/MH]: 150 mm (approx. 6.0 inch) instead of 50 mm, please check and confirm.

2) Clarification: 40 mm is a thermowell U length and 90 mm is a sensor length (i.e. U length + H Length= sensor A length).

3) Ingress protection : IP66.

5) Housing material is Aluminum painted

TAG-1 (SS tag plate)

TIT-RU0001A-02; TIT-RU0001B-02

Customs tariff number: 90251900

Discount 17,00%

-549,97

**Line total**

**2.685,17**

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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**Link to product details**

[https://en-co.wika.de/tw15\\_en\\_co.WIKA](https://en-co.wika.de/tw15_en_co.WIKA)  
[https://en-co.wika.de/tr12\\_b\\_tr12\\_m\\_en\\_co.WIKA](https://en-co.wika.de/tr12_b_tr12_m_en_co.WIKA)  
[https://en-co.wika.de/t32\\_xs\\_en\\_co.WIKA](https://en-co.wika.de/t32_xs_en_co.WIKA)

080	2,0000 Pcs			~ 10 weeks	1.729,78	/1	3.459,56
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TW15-H-A-M-BC-SI-00200-00050-G3-A-0160-0130-10-1Z  
 CERT31-EG3A-BB-CB- - - - - -  
 CERT22-EG33-AA- - - - - -  
 TR12-B-AICZ-13HS-5X2AX-6L-MTAE-15000250-60RZ-1Z  
 CERT31-EG3D-AJ- - - - -  
 T32.1S.0IS-Z-5-KKS-ZZ3-Z  
 T32KONF-1PS1003-CEDZZZ-ANNBNB00-Z  
 CERT31-EG3F-AH- - - - -  
 TR12-B, Process resistance thermometer for additional thermowell  
 Specifications according to data sheet: TE 60.17  
 Electrical approval: ATEX  
 Ignition protection type: Ex i  
 Zone 1 gas [ II 2G Ex ia IIC T1...T6 Gb ]  
 1xPt100, 3-wire  
 Class A, IEC 60751  
 Temperature range of selected class: -100...+450°C  
 Head / housing: 5/6000, Aluminum, screw cover with digital temp. indicator DIH50  
 Thread size cable entry: 2x M20 x 1.5  
 Cable entry A: Thread (female)  
 Cable entry B: Closing plug  
 Transmitter: T32, Digital-transmitter, HART®, 4...20 mA, universal programmable  
 Neck design: Nipple-Union-Nipple  
 Connection to housing / head: Male thread M20 x 1,5, with adjustable lock nut  
 Connection to thermowell: Male thread M20 x 1,5  
 Neck length [N/MH]: 150 mm (approx. 6.0 inch)  
 Insertion length [A/L1/U2]: 250 mm  
 Diameter measuring insert: 6 mm  
 Sheath material measuring insert: Stainless steel 1.4571  
 Measuring insert length (spare) [I5]: 418 mm  
 Threaded Thermowell TW15, solid machined  
 Specifications according to data sheet: TW 95.15  
 Head design: Hexagon  
 Thermowell style: Tapered  
 Unit of measure: Metric (mm)  
 Process thread [P or E]: 1/2 BSPT  
 Connection to thermometer [N]: M20 x 1,5 female  
 Insertion length [U]: 200 mm  
 Head length [H]: 50 mm  
 Material: Stainless steel 316/316L  
 Bore size [B or d1]: 0.260 inch (6.6 mm)  
 Root diameter [Q]: 16 mm  
 Tip diameter [V or F3]: 13 mm  
 RTD / TC / Thermometer Assembly: TR12-B, Process resistance thermometer for additional thermowell  
 Bore depth / stem length (US) [A]: 243 mm  
 Tip thickness [Tt]: 0.250 inch (6.4 mm)  
 Test certificate acc. to EN 10204 2.2

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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Certificate Language: English and German  
Thermowell / protection tube  
Formal certificate: Manufactured according to state-of-the-art  
Inspection certificate acc. to DIN EN 10204 3.1  
Certificate Language: English and German  
Thermowell / protection tube  
Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis  
Pressure and stability test: Hydrostatic, internal pressure test - 500 bar (7500 psig) - 3 min.  
Inspection certificate acc. to DIN EN 10204 3.1  
Certificate Language: English and German  
Measuring insert / probe with transmitter  
Accuracy: 3 test points (0°C / 50°C / 100°C) for RTD  
Digital temperature transmitter T32  
with HART-protocol  
Specifications according to data sheet: TE 32.04  
Output signal: 4 ... 20 mA, 2-wire-design  
Input: configurable by means of software  
Measuring range: configurable by means of software  
Model: T32.1S, head mounting  
Explosion protection: Ex ia, for ATEX/IEC/CSA/FM/EAC/KOSHA/NEPSI/INMETRO/PESO  
SIL-Statement: not for SIL applications  
HART revision: HART® 5  
Configuration: customer's specification  
Permissible ambient temperature [Transmitter]: -40 °C ... +85 °C  
Certificate: calibration values listed  
Transmitter configuration:  
Input: resistance thermometer Pt100  
Sensors: Single-sensor  
Sensor-calculation-functionality: Sensor 1, Sensor 2 not available  
Sensor-Drift-Detection: not active  
Input configuration: 3-wire  
Unit: °C  
Measuring range: -50 °C ... +100 °C  
Output signal: 4 ... 20 mA, linear to temperature  
Lower output limit: to NAMUR (3,8 mA)  
Upper output limit: to NAMUR (20,5 mA)  
Current value for signalling down scale: 3,5 mA (NAMUR down scale)  
Current value for signalling up scale: 21,5 mA (NAMUR up scale)  
Signalling of error: down scale (uniform for all kinds of errors)  
Damping: off  
Inspection certificate acc. to DIN EN 10204 3.1  
Certificate Language: English and German  
Transmitter  
Accuracy: 3 test points (start / middle / end of transmitter range)

Deviation:

- 1) Offered Neck length [N/MH]: 150 mm (approx. 6.0 inch) instead of 100 mm, please check and confirm.
- 2) WFC not performed due to velocity not given.
- 3) Clarification: 200 mm is a thermowell U length and 250 mm is a sensor length (i.e. U length + H Length= sensor A length).

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
		4) Ingress protection : IP66. 5) Housing material is Aluminum painted TAG-1 (SS tag plate) TIT-RU0001A-03; TIT-RU0001B-03 Customs tariff number: 90251900					
		Discount 17,00%					-588,13
		<b>Line total</b>					<b>2.871,43</b>

**Link to product details**

[https://en-co.wika.de/tw15\\_en\\_co.WIKA](https://en-co.wika.de/tw15_en_co.WIKA)  
[https://en-co.wika.de/tr12\\_b\\_tr12\\_m\\_en\\_co.WIKA](https://en-co.wika.de/tr12_b_tr12_m_en_co.WIKA)  
[https://en-co.wika.de/t32\\_xs\\_en\\_co.WIKA](https://en-co.wika.de/t32_xs_en_co.WIKA)

140	1,0000 Pcs			from stock	590,63	/1	590,63
		Documentation for Pressure gauge, ETM, PT, TT Documentation includes: - Tag list - Catalogues (Datasheet) - Pressure test certificate - Material certificate 3.1 EN 10204 - Accuracy test certificate of transmitters & RTD - Certificate 2.2 EN 10204 (order) - Std Drawings - Operating Instructions (Installation, Operation and Maintenance) Customs tariff number: 49119900					

2

150	6,0000 Pcs			2-3 weeks	606,49	/1	3.638,94
		T32.3S.0IS-Z-7-KKS-ZZZ-Z T32KONF-POS1003-TPAZZZ-ANNBNB00-Z Digital temperature transmitter T32 with HART-protocol Specifications according to data sheet: TE 32.04 Output signal: 4 ... 20 mA, 2-wire-design Input: configurable by means of software Measuring range: configurable by means of software Model: T32.3S, rail mounting Explosion protection: Ex ia, for ATEX/IEC/CSA/FM/EAC/KOSHA/NEPSI/INMETRO/PESO SIL-Statement: not for SIL applications HART revision: HART® 7 Configuration: customer's specification Permissible ambient temperature [Transmitter]: -40 °C ... +85 °C Transmitter configuration: Input: potentiometer Sensors: Single-sensor Sensor-calculation-functionality: Sensor 1, Sensor 2 not available Sensor-Drift-Detection: not active Input configuration: 3-wire Unit: % Measuring range: 0 ... 100%					

Please add:  
 Total Resistance: Total  
 resistance: 1k Ohm

**Detailed quotation**

Please add below items:  
 -Inspection certificate acc. to DIN EN 10204 3.1  
 -Certificate Language: English and German

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value	
			Output signal: 4 ... 20 mA, linear to temperature Lower output limit: to NAMUR (3,8 mA) Upper output limit: to NAMUR (20,5 mA) Current value for signalling down scale: 3,5 mA (NAMUR down scale) Current value for signalling up scale: 21,5 mA (NAMUR up scale) Signalling of error: down scale (uniform for all kinds of errors) Damping: off						
			TAG-1 (SS tag plate)						
			TIT-RU0001A-01; TIT-RU0001B-01; TIT-RU0001A-02; ZT-RU0001A-01; TIT-RU0001A-03; ZT-RU0001B-01						
			Customs tariff number: 90259000						
							17,00%		
			<b>Please delete</b>						
								-618,62	
			<b>Line total</b>						<b>3.020,32</b>

**Link to product details**  
[https://en-co.wika.de/t32\\_xs\\_en\\_co.WIKA](https://en-co.wika.de/t32_xs_en_co.WIKA)

160	1,0000	Pcs			from stock	1.200,00	/1	1.200,00	
			Charges for carton packing for PG, ETM, and PT package						
			Customs tariff number: 49119900						

		EUR
	Net value of goods	39.239,91
	Discount	-6.366,42
	<b>Total net amount</b>	<b>32.873,49</b>
	VAT not included	

Valid until: 07/09/2024

#####

**Export Restriction**

- (1) The Customer/Recipient shall not, at any time, sell and/or export and/or re-export, directly or indirectly,
- a) to the Russian Federation; and/or
  - b) to territories occupied by Russian Federation; and/or
  - c) to the Republic of Belarus; and/or
  - d) for use in the Russian Federation; and/or
  - e) for use in territories occupied by Russian Federation; and/or
  - f) for use in the Republic of Belarus directly or indirectly any
  - i. item(s) herein listed ("Item(s)"); and/or
  - ii. any intellectual property; and/or
  - iii. know-how; and/or
  - iv. any other confidential information whatsoever supplied or brought to attention to the Customer/Recipient howsoever under or in connection with this Agreement.
- (2) The Customer/Recipient shall undertake its best efforts to ensure that the purpose of paragraph (1) is not frustrated by

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 info@wika.de  
 www.wika.de  
 WEEE-Reg-Nr. DE 92770372  
 VAT.No.: DE131878642

Limited partnership company:  
 Place of business Klingenberg  
 Local court Aschaffenburg HRA 1819  
 General partner:  
 WIKA International SE – Pob Klingenberg  
 Local court Aschaffenburg HRB 10505  
 Chairman of the board: Alexander Wiegand  
 Chairman of the supervisory board: Prof. Dr. Roderich C. Thümmel

Bank account:  
 Commerzbank Aschaffenburg  
 BIC: COBADEFF795  
 IBAN DE57 7954 0049 0104 1177 00  
 Sparkasse Aschaffenburg Miltenberg  
 BIC: BYLADEM1ASA  
 IBAN: DE95 7955 0000 0430 1062 94  
 Sydbank (DKK Payments)  
 BIC: SYBKDK22  
 IBAN: DK02 8072 0001 0403 60

