

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

## Q110060001-4

30/08/2024

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		

### 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	1.824,43	/1	3.648,86
			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	1.824,43	/1	14.595,44
			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	1.805,42	/1	3.610,84
			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					
050	14,0000	Pcs	14275402		~ 10 weeks	165,35	/1	2.314,90
			IV202 1/2NPTF-1/2NPTF A316 1/4NPTF PTFE 6k					
060	2,0000	Pcs			~ 10 weeks	688,68	/1	1.377,36
			TR12-B, Ex i, 1xPt100, 3-w, Cl.A, -100...+450°C, Ø 6 mm, Terminal block					
070	2,0000	Pcs			~ 10 weeks	667,64	/1	1.335,28
			TR12-B, Ex i, 1xPt100, 3-w, Cl.A, -100...+450°C, Ø 6 mm, Terminal block					
080	2,0000	Pcs			~ 10 weeks	772,84	/1	1.545,68
			TR12-B, Ex i, 1xPt100, 3-w, Cl.A, -100...+450°C, Ø 6 mm, Terminal block					

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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: BYLADEM1ASA  
 IBAN: DE95 7955 0000 0430 1062 94  
 Sydbank (DKK Payments)  
 BIC: SYBKDK22  
 IBAN: DK02 8072 0001 0403 60

**Quotation** **Q110060001-4**  
43327028 DELTA TECH GmbH, Hamburg

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Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
090	6,0000 Pcs	TIF50-I, Field housing, Ex i - gas/dust, ATEX/IECEX		~ 10 weeks	989,82	/1	5.938,92

**EUR**

Net value of goods	35.199,21
Discount	-4.399,92
Position markup	78,00
Packaging	307,99
<b>Total net amount</b>	<b>31.185,28</b>
VAT not included	

\* For discounts and surcharges, please see detailed quote on next page(s).

**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  
 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  
 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.
- 4) Offered Manifold loose.

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

Discount 12,50%	-103,99
Tag plates	6,00
<b>Line total</b>	<b>733,93</b>

**Link to product details**

WIKA Alexander Wiegand SE & Co. KG  
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 63911 Klingenberg  
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 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
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[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	1.824,43	/1	3.648,86
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IPT-20-AIA-AIZBZ-H2-BV441-GLYSYZS3-ZZS-1Z  
 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: 0.2 % 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  
 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) IPT-20 suitable temp. is -40 DegC
- 3) Required Wetted O-Rings Material : Teflon-coated 316L: not offered
- 4) WIKA offered manifold loose assembly.
- 5) Housing material is: Single chamber case, powder-coated aluminium
- 6) Accuracy: Calibration values listed : this certificate is 5- point calibration

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
		7) Loop powered 24Vdc not available. 8) 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 12,50%				-456,11	
		Tag plates				6,00	
		<b>Line total</b>				<b>3.198,75</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	1.824,43	/1	14.595,44
		IPT-20-AIA-AIZBZ-H2-BV441-GLYSYZS3-ZZS-1Z 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: 0.2 % 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 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					

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value	
			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) WIKA offered manifold loose assembly. 4) Housing material is: Single chamber case, powder-coated aluminium 5) Accuracy: Calibration values listed : this certificate is 5- point calibration 6) Loop powered 24Vdc not available. 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 12,50% <span style="float:right">-1.824,43</span> Tag plates <span style="float:right">24,00</span> <b>Line total <span style="float:right">12.795,01</span></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)

040	2,0000	Pcs	IPT-20-AIA-AIZBZ-H2-BV441-GLYSYZS3-ZZS-1Z CERT31-EGPT-AB-BB- - - - - - 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: 0.2 % 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		~ 10 weeks	1.805,42	/1	3.610,84
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Quotation **Q110060001-4**  
 43327028 DELTA TECH GmbH, Hamburg

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**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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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  
 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

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) WIKA offered manifold loose assembly.  
 4) Loop powered 24Vdc not available.  
 TAG-1 (SS tag plate)  
 PIT-RU0001A-04; PIT-RU0001B-04  
 Customs tariff number: 90262020

Discount 12,50%	-451,36
Tag plates	6,00
<b>Line total</b>	<b>3.165,49</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)

050	14,0000	Pcs	14275402		~ 10 weeks	165,35	/1	2.314,90
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IV202 1/2NPTF-1/2NPTF A316 1/4NPTF PTFE 6k  
 Block and bleed valve, 2-valve manifold  
 Design: Square, In-line  
 1/2 NPT female - 1/2 NPT female  
 Stainless steel 316/316L - 1.4401/1.4404 - S31600/S31603  
 Without bracket hole  
 Vent connection: 1/4" NPT female with plug  
 Nominal pressure: 6000 psi / 420 bar  
 Material packing: PTFE  
 NACE MR0175 Sour Gas Service & Inspection certificate 3.1, EN 10204, all wetted parts material  
 Customs tariff number: 84818073

Discount 12,50%	-289,36
<b>Line total</b>	<b>2.025,54</b>

**Link to product details**  
[https://en-co.wika.de/iv2\\_en\\_co.WIKA](https://en-co.wika.de/iv2_en_co.WIKA)

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
060	2,0000 Pcs	TW15-H-A-M-BC-SI-00080-00050-G3-A-0160-0130-10-1Z CERT31-EG3A-BB-CB- - - - - - TR12-B-AICZ-13HS-5F2AA-ZZ-MTAE-15000130-60RZ-CZ CERT31-EG3B-AC- - - - - - 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 Thread size cable entry: 2x M20 x 1.5 Cable entry A: Thread (female) Cable entry B: Thread (female) Transmitter: Without (terminal block) 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]: 130 mm Diameter measuring insert: 6 mm Sheath material measuring insert: Stainless steel 1.4571 Measuring insert length (spare) [I5]: 298 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]: 80 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]: 123 mm Tip thickness [Tt]: 0.250 inch (6.4 mm) 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 Accuracy: 2 test points (0°C / 100° C) for RTD		~ 10 weeks	688,68	/1	1.377,36

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 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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Deviation:

- 1) Required Head material stainless steel and transmitter Housing Material is Die cast Alu. and mentioned note is (Note 1: Element and transmitter installed on same housing. Transmitter to be locally mounted attached on temperature element), So we can considered Element housing material is aluminum.
- 2) Offered Neck length [N/MH]: 150 mm (approx. 6.0 inch) instead of 50 mm, please check and confirm.
- 3) Clarification: 80 mm is a thermowell U length and 130 mm is a sensor length (i.e. U length + H Length= sensor A length).
- 4) Ingress protection : IP66.
- 5) Housing material is Aluminum painted

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

Discount 12,50%	-172,17
Tag plates	6,00
<b>Line total</b>	<b>1.211,19</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)

070	2,0000 Pcs			~ 10 weeks	667,64	/1	1.335,28
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TW15-H-A-M-BC-SI-00050-00050-G3-A-0160-0130-10-1Z  
 CERT31-EG3A-BB-CB- - - - - -  
 TR12-B-AICZ-13HS-5F2AA-ZZ-MTAE-15000100-60RZ-CZ  
 CERT31-EG3B-AC- - - - - - -  
 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  
 Thread size cable entry: 2x M20 x 1.5  
 Cable entry A: Thread (female)  
 Cable entry B: Thread (female)  
 Transmitter: Without (terminal block)  
 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]: 100 mm  
 Diameter measuring insert: 6 mm  
 Sheath material measuring insert: Stainless steel 1.4571  
 Measuring insert length (spare) [I5]: 268 mm

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value	
			<p>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]: 50 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]: 93 mm            Tip thickness [Tt]: 0.250 inch (6.4 mm)            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            Accuracy: 2 test points (0°C / 100° C) for RTD</p> <p>Deviation:            1) Required Head material stainless steel and transmitter Housing Material is Die cast Alu. and mentioned note is (Note 1: Element and transmitter installed on same housing. Transmitter to be locally mounted attached on temperature element), So we can considered Element housing material is aluminum.            2) Offered Neck length [N/MH]: 150 mm (approx. 6.0 inch) instead of 50 mm, please check and confirm.            3) Clarification: 50 mm is a thermowell U length and 100 mm is a sensor length (i.e. U length + H Length= sensor A length).            4) Ingress protection : IP66.            5) Housing material is Aluminum painted            TAG-1 (SS tag plate)            TIT-RU0001A-02; TIT-RU0001B-02            Customs tariff number: 90251900</p>						
			Discount 12,50%					-166,91	
			Tag plates					6,00	
			<b>Line total</b>					<b>1.174,37</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)

**Detailed quotation**

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
080	2,0000 Pcs	TW15-H-A-M-BC-SI-00200-00050-G3-A-0160-0130-10-1Z CERT31-EG3A-BB-CB- - - - - - - - - - TR12-B-AICZ-13HS-5F2AA-ZZ-MTAE-15000250-60RZ-CZ CERT31-EG3B-AC- - - - - - - - - - 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 Thread size cable entry: 2x M20 x 1.5 Cable entry A: Thread (female) Cable entry B: Thread (female) Transmitter: Without (terminal block) 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) [J5]: 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) 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 Accuracy: 2 test points (0°C / 100° C) for RTD		~ 10 weeks	772,84	/1	1.545,68

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 General partner:  
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 Chairman of the supervisory board: Prof. Dr. Roderich C. Thümmel

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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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Deviation:

- 1) Required Head material stainless steel and transmitter Housing Material is Die cast Alu. and mentioned note is (Note 1: Element and transmitter installed on same housing. Transmitter to be locally mounted attached on temperature element), So we can considered Element housing material is aluminum.
- 2) Offered Neck length [N/MH]: 150 mm (approx. 6.0 inch) instead of 100 mm, please check and confirm.
- 3) WFC not performed due to velocity not given.
- 4) Clarification: 200 mm is a thermowell U length and 250 mm is a sensor length (i.e. U length + H Length= sensor A length).
- 5) Ingress protection : IP66.
- 6) Housing material is Aluminum painted  
TAG-1 (SS tag plate)  
TIT-RU0001A-03; TIT-RU0001B-03  
Customs tariff number: 90251900

Discount 12,50%	-193,21
Tag plates	6,00
<b>Line total</b>	<b>1.358,47</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)

090	6,0000 Pcs			~ 10 weeks	989,82	/1	5.938,92
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TIF50-I-IZA2MZZZ-Z  
T32.1S.0IS-Z-5-KKS-ZZ3-Z  
T32KONF-1PS1003-CEHZZZ-ANNBNB00-Z  
CERT31-EG3F-AG- - - - - -  
TIF50-I, Field housing, Ex i - gas/dust, ATEX/IECEX

Specifications according to data sheet: TE 62.01  
display modul: HART® -Slave/ 4...20 mA (Standard modul)

Design / Approval  
Field housing, Ex i - gas/dust  
Additional approvals: ATEX/IECEX

Housing 5/6000 F, Aluminum, screw cover  
3 x thread M20 x 1,5

Transmitter for TIF: T32 costumer specified configuration

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

Quotation **Q110060001-4**  
 43327028 DELTA TECH GmbH, Hamburg

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 30/08/2024

**Detailed quotation**

Line	Qty	Unit	Item	Your item number	Delivery time	Unit price	per	Net value	
			Explosion protection: Ex ia, for ATEX/IEC/CSA/FM/EAC/KOSHA/NEPSI/INMETRO 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 ... +150 °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: 2 test points (start / end of transmitter range)						
			Deviation : Loop powered 24Vdc not available. TAG-1 (SS tag plate) TIT-RU0001A-01; TIT-RU0001B-01; TIT-RU0001A-02; TIT-RU0001B-02; TIT-RU0001A-03; TIT-RU0001B-03 Customs tariff number: 90259000						
			Discount 12,50%						-742,37
			Tag plates						18,00
			<b>Line total</b>						<b>5.214,56</b>

**Link to product details**

[https://en-co.wika.de/tif50\\_tif52\\_en\\_co.WIKA](https://en-co.wika.de/tif50_tif52_en_co.WIKA)

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

	<b>EUR</b>
Net value of goods	35.199,21
Discount	-4.399,92
Position markup	78,00
Packaging	307,99
<b>Total net amount</b>	<b>31.185,28</b>
VAT not included	

Valid until: 07/09/2024

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**Detailed quotation**

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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 any third parties further down the commercial chain, including by possible resellers.
  
- (3) The Customer/Recipient shall set up and maintain an adequate monitoring mechanism to detect conduct by any third parties further down the commercial chain, including by possible resellers, that would frustrate the purpose of paragraph (1).
  
- (4) Any violation of paragraphs (1), (2) or (3) shall constitute a material breach of an essential element of this Agreement, and WIKAL shall be entitled to seek appropriate remedies, including, but not limited to:
  - i. termination of this Agreement; and/or
  - ii. a penalty of 10 % of the total value of this Agreement or price of the items exported, whichever is higher.
  
- (5) The Customer/Recipient shall immediately inform WIKAL about any problems in applying paragraphs (1), (2) or (3), including any relevant activities by third parties that could frustrate the purpose of paragraph (1). The Customer/Recipient shall make available to WIKAL information concerning compliance with the obligations under paragraph (1), (2) and (3) within two weeks of the simple request of such information.

#####

The delivery time refers to a technically specified product in combination with the current production capacity.

This document has been processed automatically and is valid without signature.

The sales and service conditions of WIKAL Alexander Wiegand SE & Co. KG apply, which you can find at [https://www.wika.com/en-en/t\\_cs.WIKAL](https://www.wika.com/en-en/t_cs.WIKAL).

Information regarding WIKAL and our products as well as instruction manuals, CE Declaration of conformity and approvals can be found online at [www.wika.de](http://www.wika.de).

Fast calibration of temperature probes with the new standard line in our calibration lab!  
If this is interesting for you please contact us, E-Mail: [service.de@wika.com](mailto:service.de@wika.com), Tel.: +49 9372 132 5049

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**Quotation** **Q110060001-4**  
43327028 DELTA TECH GmbH, Hamburg

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30/08/2024

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