

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		

 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.

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					

WIKAL Alexander Wiegand SE & Co. KG
 Alexander-Wiegand-Straße 30
 63911 Klingenberg
 Germany
 Phone +49 9372 132-0
 Fax +49 9372 132-406
 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:
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 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 **Q110060001-6**
 43327028 DELTA TECH GmbH, Hamburg

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Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
060	2,0000 Pcs	TR12-B, Ex i, 1xPt100, 3-w, Cl.A, -100...+450°C, Ø 6 mm, T32		~ 10 weeks	1.638,60	/1	3.277,20
070	2,0000 Pcs	TR12-B, Ex i, 1xPt100, 3-w, Cl.A, -100...+450°C, Ø 6 mm, T32		~ 10 weeks	1.617,57	/1	3.235,14
080	2,0000 Pcs	TR12-B, Ex i, 1xPt100, 3-w, Cl.A, -100...+450°C, Ø 6 mm, T32		~ 10 weeks	1.729,78	/1	3.459,56
140	1,0000 Pcs			from stock	590,63	/1	590,63
150	6,0000 Pcs	Digital temperature transmitter T32		2-3 weeks	606,49	/1	3.638,94
160	1,0000 Pcs			from stock	1.200,00	/1	1.200,00

EUR

Net value of goods	39.239,91
Discount	-6.366,42
Total net amount	32.873,49

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
 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

WIKAL Alexander Wiegand SE & Co. KG
 Alexander-Wiegand-Straße 30
 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
Line total						690,49		

Link to product details

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	
		Line total					3.182,57	

Link to product details

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% -2.607,41 Line total 12.730,27					

Link to product details

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					

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/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

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

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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 Sparkasse Aschaffenburg Miltenberg
 BIC: BYLADEM11ASA
 IBAN: DE95 7955 0000 0430 1062 94
 Sydbank (DKK Payments)
 BIC: SYBKDK22
 IBAN: DK02 8072 0001 0403 60

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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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

WIKA Alexander Wiegand SE & Co. KG
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 63911 Klingenberg
 Germany
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 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
Line total	2.720,08

Link to product details

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/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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 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/tr12_b_tr12_m_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).

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
		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
		Line total					2.871,43

Link to product details

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/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					
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%					

WIKA Alexander Wiegand SE & Co. KG
 Alexander-Wiegand-Straße 30
 63911 Klingenberg
 Germany
 Phone +49 9372 132-0
 Fax +49 9372 132-406
 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 – Pöb Klingenberg
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 Chairman of the supervisory board: Prof. Dr. Roderich C. Thümmel

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



Quotation Q110060001-6
43327028 DELTA TECH GmbH, Hamburg

Page 15 / 16
24/09/2024

Detailed quotation

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 Discount 17,00% -618,62 Line total 3.020,32					

Link to product details
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
Total net amount							32.873,49
VAT not included							

Valid until: 07/09/2024

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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

WIKA Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg
Germany
Phone +49 9372 132-0
Fax +49 9372 132-406
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:
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Sparkasse Aschaffenburg Miltenberg
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IBAN: DE95 7955 0000 0430 1062 94
Sydbank (DKK Payments)
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IBAN: DK02 8072 0001 0403 60

