

Pro forma quotation

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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
Für Alfons Köster / in order Delta GmbH
Otto-Hahn-Str. 29
40721 Hilden
Germany

Quotation

Q110060001-7

30/09/2024

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					

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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

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

Quotation **Q110060001-7**
43327028 DELTA TECH GmbH, Hamburg

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30/09/2024

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	2,0000 Pcs	Digital temperature transmitter T32		2-3 weeks	606,49	/1	1.212,98
160	1,0000 Pcs			from stock	1.200,00	/1	1.200,00

	EUR
Net value of goods	36.813,94
Discount	-5.954,01
Position markup	6,00
Packaging	308,60
Total net amount	31.174,53
VAT not included	

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

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43327028 DELTA TECH GmbH, Hamburg

30/09/2024

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-UZHZA ZZ-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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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

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Detailed quotation

Line	Qty Unit	Item	Your item number	Delivery time	Unit price	per	Net value
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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
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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: 27.60

Density unit: kg/dm³

Mounting device: Mounting bracket for wall and pipe mounting (stainless steel) (for 2" pipe)

Sensor principle: piezoresistiv

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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% Line total						-2.607,41 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					

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 General partner:
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Quotation **Q110060001-7**

43327028 DELTA TECH GmbH, Hamburg

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30/09/2024

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_ip_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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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

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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			1.617,57	/1	3.235,14

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

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

Quotation **Q110060001-7**

43327028 DELTA TECH GmbH, Hamburg

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30/09/2024

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

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Quotation **Q110060001-7**

43327028 DELTA TECH GmbH, Hamburg

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30/09/2024

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

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

Quotation **Q110060001-7**

43327028 DELTA TECH GmbH, Hamburg

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30/09/2024

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).

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Quotation **Q110060001-7**

43327028 DELTA TECH GmbH, Hamburg

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30/09/2024

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	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	from stock	590,63	/1	590,63
150	2,0000 Pcs	T32.3S.0IS-Z-7-KKS-ZZZ-Z T32KONF-POS1003-TPA001-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%	2-3 weeks	606,49	/1	1.212,98

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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
		Total resistance: 1 kOhm 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) ZT-RU0001A-01; ZT-RU0001B-01 Customs tariff number: 90259000					
		Discount 17,00%				-206,21	
		Tag plates				6,00	
		Line total				1.012,77	

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					36.813,94
		Discount					-5.954,01
		Position markup					6,00
		Packaging					308,60
		Total net amount					31.174,53
		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 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.

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.

Fast calibration of temperature probes with the new standard line in our calibration lab!

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