Date: 11/04/2023

TR12-B, Ex d, 1xPt100, 3-w, Cl.A, -100/450°C (W), Ø 6 mm, T32

TR12-B, Process resistance thermometer for additional thermowell

Item number: 48771975

Quantity: 1 pcs.

Order code: TW15-H-A-M-NE-UD-00070-00045-G3-A-0220-0160-1O-1Z00108
Z00108IZZZYQ2Z
CERT31-EF3A-BB- - - - - - - - - - - TW-CT2
TR12-B-ADCZ-13HS-YF2BB-6L-MTA1-15000115-60RZ-ZZ 121K
0028300283ZZWIKA0ZS
T32.1S.0IS-S-5-KKS-ZZZ-Z ZZMW01WT4KM
T32KONF-1PS1003-CBBZZZ-ANNBNB00-Z

Overview: TR12-B, Ex d, 1xPt100, 3-w, Cl.A, -100/450°C (W), Ø 6 mm, T32
ATEX, Ex d, Zone 1 gas [II 2G Ex db IIC T1…T6 Gb]

Head / housing: TIF50 (Alu), 2x M20 x 1.5
Cable entry A: Closing cap for transport
Cable entry B: Closing cap for transport
Transmitter: T32, Digital-transmitter, HART®, 4…20 mA, universal programmable
Customer specified

Nipple-Union-Nipple
Connection to housing / head: Male thread M20 x 1,5, with adjustable lock nut
Connection to thermowell: Male thread 1/2 NPT
Neck length [N/MH]: 150 mm (approx. 6.0 inch)

Insertion length [A/L1/U2]: 115 mm;
Diameter measuring insert: 6 mm - 1.4571,

Specifications according to data sheet: TE 60.17
Measuring insert length (spare) [l5]: 283 mm

TW15-H 3/4NPT 1/2 NPT female U=70 mm B=0.260 inch (6.6 mm) SS316/316L
Process thread [P or E]: 3/4NPT
Connection to thermometer [N]: 1/2 NPT female
Thermowell style: Tapered
Head length [H]: 45 mm
Insertion length [U]: 70 mm
Root diameter [Q]: 22 mm
Tip diameter [V or F3]: 16 mm
Bore size [B or d1]: 0.260 inch (6.6 mm)
Bore depth / stem length (US) [A]: 108 mm
Specifications according to data sheet: TW 95.15

© 2023 - WIKA Instruments s.a.r.l.

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
SIL-Statement: suitable for SIL applications (up to SIL2, SIL3 redundant)
HART revision: HART® 5
Configuration: customer's specification
Permissible ambient temperature [Transmitter]: -40 °C ... +85 °C
Customer: standard customer
Operating Instructions: WIKA Standard
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: -20 °C ... +60 °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 French
Thermowell / protection tube
Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis

Details:

TR12-B, Process resistance thermometer for additional thermowell
Specifications according to data sheet: TE 60.17
Electrical approval: ATEX
Ignition protection type: Ex d
Zone 1 gas [II 2G Ex db IIC T1…T6 Gb]
1xPt100, 3-wire
Class A, IEC 60751
Temperature range of selected class: -100...+450°C
Head / housing: Fieldtransmitter TIF50 (Aluminum)
Thread size cable entry: 2x M20 x 1.5
Cable entry A: Closing cap for transport
Cable entry B: Closing cap for transport

© 2023 - WIKA Instruments s.a.r.l.

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 1/2 NPT
Neck length [N/MH]: 150 mm (approx. 6.0 inch)
Insertion length [A/L1/U2]: 115 mm
Diameter measuring insert: 6 mm
Sheath material measuring insert: Stainless steel 1.4571
Measuring insert length (spare) [l5]: 283 mm
optional sealing measuring insert: without
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]: 3/4 NPT
Connection to thermometer [N]: 1/2 NPT female
Insertion length [U]: 70 mm
Head length [H]: 45 mm
Material: Stainless steel 316/316L
Bore size [B or d1]: 0.260 inch (6.6 mm)
Root diameter [Q]: 22 mm
Tip diameter [V or F3]: 16 mm
RTD / TC / Thermometer Assembly: TR12-B, Process resistance thermometer for additional thermowell
Bore depth / stem length (US) [A]: 108 mm
Tip thickness [Tt]: 0.250 inch (6.4 mm)
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
SIL-Statement: suitable for SIL applications (up to SIL2, SIL3 redundant)
HART revision: HART® 5
Configuration: customer's specification
Permissible ambient temperature [Transmitter]: -40 °C ... +85 °C
Customer: standard customer
Operating Instructions: WIKA Standard
Transmitter configuration:
Input: resistance thermometer Pt100
Sensors: Single-sensor
Sensor-calculation-functionality: Sensor 1, Sensor 2 not available
Sensor-Drift-Detection: not active

© 2023 - WIKA Instruments s.a.r.l.

Input configuration: 3-wire
Unit: °C
Measuring range: -20 °C ... +60 °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 French
Thermowell / protection tube
Material certificate: Wetted parts material (metal contents) with mill certificate incl. chemical analysis

© 2023 - WIKA Instruments s.a.r.l.