ELEKTRON ERMA-STRMEC

ELECTRONICS
REGULATION
MEASUREMENT
AUTOMATION

# UPUTE

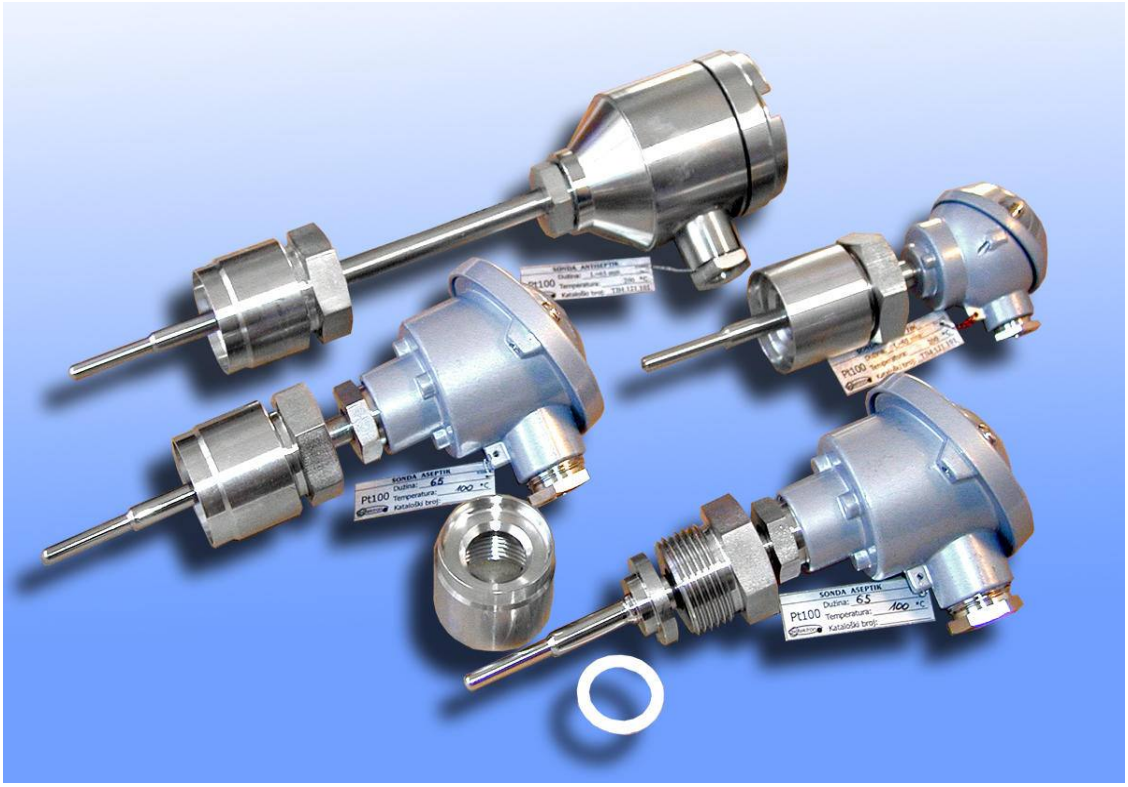
## Uvrtni termometri - aseptik izvedba

TB

KATALOŠKI BROJEVI
- TB4x.00.01x

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info@elektron.hr

Hrvatska




**Osnovne karakteristike:**

- Mjerno područje - 50 do + 200 °C
- Priključna glava Aseptik izvedba
- Sa ili bez mjernog pretvaraća 4-20 mA

# 1 OPIS

RTD termometri s priključcima, pogodnim za uporabu u prehrambenoj industriji. Priključci koji su prilagođeni uporabi u postrojenjima s CIP. Verzije s jednim ili dva Pt100 senzora, klase A. Sa ili bez pretvarača 4-20 mA, montiranog u priključnoj glavi sonde.

**PRIMJENA:**

- U mliječnoj industriji
- U proizvodnji piva
- U proizvodnji pića
- Farmaceutskoj industriji
- ….

| priključna glava | mjerni element | tip priključka | materijal | dužina | jednostruki | dvostruki |
|---|---|---|---|---|---|---|
| B | Pt 100 kl. B | A G1" ELEKTRON | W.Nr.1.4571 ∅ 9x1/∅5x40 | 60 | TP2.1A2.151 | TP2.1A2.152 |
| | | | | 100 | TP2.1A2.171 | TP2.1A2.172 |
| | | | | 200 | TP2.1A2.1A1 | TP2.1A2.1A2 |
| B | Pt 100 kl. B | B G1" + O ring | W.Nr.1.4571 ∅ 9x1/∅5x40 | 60 | TP2.1B2.151 | TP2.1B2.152 |
| | | | | 100 | TP2.1B2.171 | TP2.1B2.172 |
| | | | | 200 | TP2.1B2.1A1 | TP2.1B2.1A2 |

# 2 TEHNIČKE KARAKTERISTIKE

| | |
|---|---|
| **Priključna glava** | Tip F |
| **Mjerni element** | Pt 100 |
| | Pt 1000 |
| **Zaštitna cijev** | W.Nr. 1.4571, 316L |
| **Mjerno područje** | Od -50 do +200 °C |
| **Procesni priključak** | G 1″ ELEKTRON |
| | G 1″ + O ring |
| | TRI-CLAMP 1,5″ |
| | HOLENDER DIN 11851 |
| | HOLENDER DIN 11864-1 |
| | VARIVENT |
| | KUGLASTI |
| | HOL.MATICA, KONUS, O-ring |
| | G 1″+METALNI KONUS |

# 3 KATALOŠKI BROJEVI

**KATALOŠKI BROJEVI** - ASEPTIK TERMOMETRI

| Oznaka | TP | X. | X | X | X. | X | X | X | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Vrsta priključne glave | | 2. | | | | | | | * | tip B, Al |
| | | 4. | | | | | | | | INOX tip B |
| | | 5. | | | | | | | | tip B, povišena ,Al |
| Vrsta osjetila / Elekt. spajanje | | | 1 | | | | | | * | Pt100 klasa B, 2-žično |
| | | | 2 | | | | | | | Pt100 klasa A, 2-žično |
| | | | 3 | | | | | | | Pt100 klasa 1/3 DIN, 2-žično |
| | | | 4 | | | | | | | Pt500 |
| | | | 5 | | | | | | | Ni 100 |
| | | | A | | | | | | | Pt100 klasa B, 3-žično |
| | | | B | | | | | | | Pt100 klasa A, 3-žično |
| | | | C | | | | | | | Pt100 klasa 1/3 DIN, 3-žično |
| | | | A | | | | | | | Pt100 klasa B, 4-žično |
| | | | B | | | | | | | Pt100 klasa A, 4-žično |
| | | | C | | | | | | | Pt100 klasa 1/3 DIN, 4-žično |
| | | | Z | | | | | | | po zahtjevu |
| Procesni priključak | | | | A | | | | | * | G 1" ELEKTRON |
| | | | | B | | | | | * | G 1" + O ring |
| | | | | C | | | | | | TRI-CLAMP 1,5" |
| | | | | D | | | | | | TRI-CLAMP 2" |
| | | | | E | | | | | | CLAMP DIN 32676 DN 25 |
| | | | | F | | | | | | CLAMP DIN 32676 DN 40 |
| | | | | G | | | | | | CLAMP DIN 32676 DN 50 |
| | | | | H | | | | | | HOLENDER DIN 11851 DN 25 |
| | | | | I | | | | | | HOLENDER DIN 11851 DN 32 |
| | | | | J | | | | | | HOLENDER DIN 11851 DN 40 |
| | | | | K | | | | | | HOLENDER DIN 11851 DN 50 |
| | | | | L | | | | | | HOLENDER DIN 11864-1 DN 25 |
| | | | | M | | | | | | HOLENDER DIN 11864-1 DN 32 |
| | | | | N | | | | | | HOLENDER DIN 11864-1 DN 40 |
| | | | | O | | | | | | HOLENDER DIN 11864-1 DN 50 |
| | | | | P | | | | | | VARIVENT D 31 / DN 15/10 |
| | | | | R | | | | | | VARIVENT D 50 / DN 32/25 |
| | | | | S | | | | | | VARIVENT D 68 / DN 50/40 |
| | | | | T | | | | | | KUGLASTI 30 X 40 |
| | | | | U | | | | | | HOL.MATICA, KONUS, O-ring |
| | | | | V | | | | | | G 1"+ METALNI KONUS |
| | | | | Z | | | | | | po zahtjevu |
| Zaštitna cijev | | | | | 1. | | | | * | W.Nr.1.4571 ∅ 9 x 1 |
| | | | | | 2. | | | | | W.Nr.1.4571 ∅ 9 x 1 / ∅ 5 x 40 |
| | | | | | Z. | | | | | po zahtjevu |
| Dužina vratnog dijela (L1) | | | | | | 1 | | | * | 20 mm / 200 °C |
| | | | | | | 2 | | | | 60 mm / 400 °C |
| | | | | | | 3 | | | | 120 mm / 400 / 600°C |

Dužina mjer. dijela (L)

| glava | B | | | MJERNI ULOŽAK | | |
|---|---|---|---|---|---|---|
| vrat L1 | 20 | 60 | 120 | | | |
| L | 25 | | | | 80 | |
| | 50 | | | | 105 | |
| | 75 | 35 | | | 130 | |
| | 100 | 60 | | | 155 | |
| | 140 | 100 | 40 | | 195 | |
| | 200 | 160 | 100 | | 255 | |
| | 260 | 220 | 160 | | 315 | |
| | 300 | 260 | 200 | | 355 | |
| | 350 | 310 | 250 | | 405 | |
| | 500 | 460 | 400 | | 555 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | | | 25 | B | 220 | |
| 2 | | | 35 | C | 250 | |
| 3 | | | 40 | D | 260 | |
| 4 | | | 50 | E | 300 | |
| 5 | | * | 60 | F | 310 | |
| 6 | | | 75 | G | 350 | |
| 7 | | * | 100 | H | 400 | |
| 8 | | | 140 | I | 460 | |
| 9 | | | 160 | J | 500 | |
| A | | * | 200 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Z | po zahtjevu | |

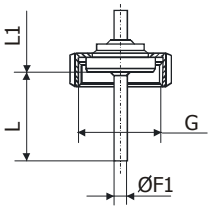
| | | | |
|---|---|---|---|
| Broj termoelemenata | 1 | * | jednostruki |
| | 2 | | dvostruki |

*** kratki rok isporuke**

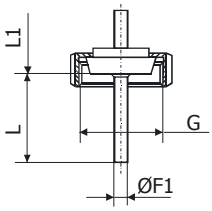
# 4 TEHNIČKI NACRT

## 4.1 PROCESNI PRIKLJUČCI

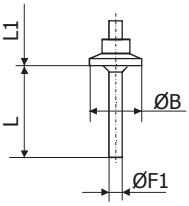
Priključak s holender maticom prema DIN 11864-1 (L,M,N,O)



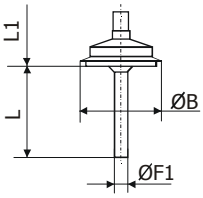

Konusni priključak s holender maticom premaDIN 11851 (H,I,J,K)



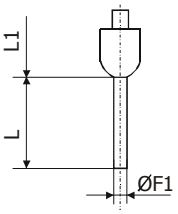

Tri-Clamp priključak (C,D)



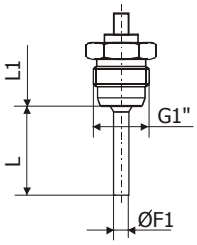

Clamp priključak prema DIN 32676 ili ISO 2852 (E,F,G)



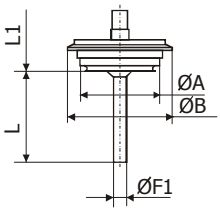

Kuglasti priključak 30 x 40 mm ( T )



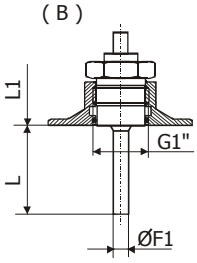

Priključak G1" s metalnim konusom ( V )



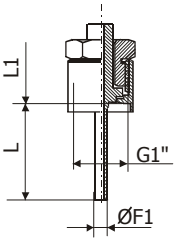

Varivent priključak (P,R,S)



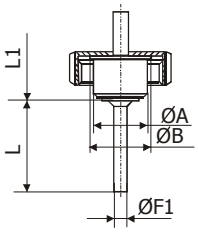

Priključak G1" s gumenim O-ringom ( B )




Priključak G1" "ELEKTRON" ( A )

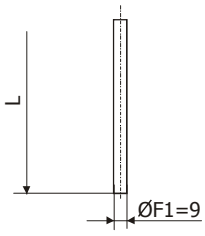



Priključak s holender maticom, konusom i O-ringom ( U )

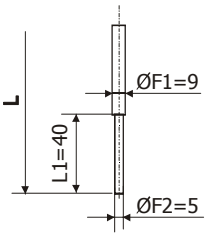



Oblici zaštitnih cijevi prema DIN 43772

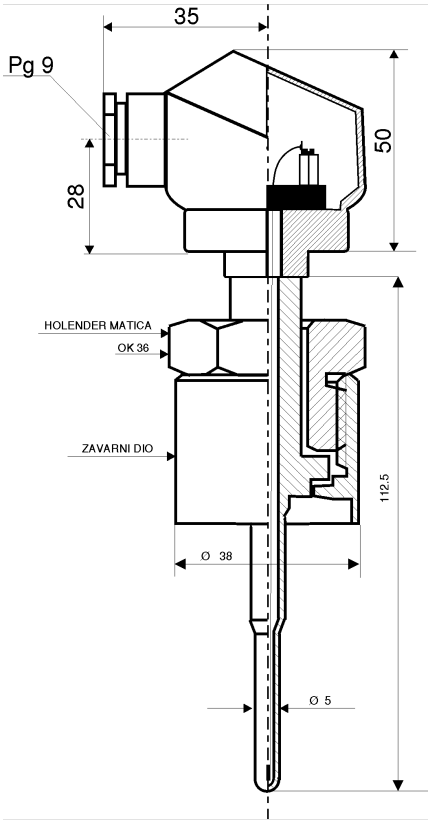
oblik (1)




oblik (2)



## 4.2 PRIKLJUČAK G1˝ ELEKTON




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