

Type UTA 3

**Stainless steel,
accuracy 0,5% f. s.**

Features

Zero and range adjustable,
rugged and compact stainless steel construction,
protection class IP65 resp. IP67,
also with GL (Germanischer Lloyd) shipbuilding approval

Measuring Ranges

0... +100 °C bis -30...+150 °C

Applications

Hydraulics and pneumatics
Machine- and process industry
Test beds
Marine applications



Technical data

Sensor	: Pt100 (Class B), DIN IEC 751
Materials	
Wetted Parts	: Stainless steel (UDS2) 1.4435
Housing (Electronics)	: Stainless steel W.-Nr. 1.4571
Seals	: Viton, EPDM
Protection class	: IP65 plug, IP67 cable
Process connection	: G 1/4 male, nut across flats 19 mm
Dimensions	: \varnothing 24 mm x 86 mm (without electrical plug)
Weight	: 130 g
Measuring ranges	: -30 °C...+100 °C, -30 °C...+150 °C 0 °C...+100 °C, 0 °C...+150 °C
Linearity error	: $< \pm 0,5\%$ f. s.
Time constant	: appr. 40 s
Electrical connection	: PG7 incl. 1,5 m cable plug M 12 x 1; 5-pin cable gland PG9 incl. 5 m ship cable (with GL-approval)

Sensor length	: 17 mm (Standard) 25, 50, 100, 150, 200, 250 mm
Sensor diameter	: 6 mm
Temperature influence	: $\leq \pm 0,1\%$ f. s. / 10 K
Compensation range	: -10 °C...+70 °C
Hysteresis	: $\leq \pm 0,1\%$ f. s.
Repeatability	: $\leq \pm 0,1\%$ f. s.
Temperature range	: -30 °C...+150 °C (Media) -25 °C...+ 80 °C (Electronics) -40 °C...+100 °C (Storage)
Power supply	: 10...30 V DC unregulated, max. 10 % residual ripple, reversed polarity protected
Output signals	: 4...20 mA (2-wire) 0...10 V DC (3-wire)
Power consumption	: max. 30 mA at current output max. 10 mA at load
Load	: $\leq (U_b - 8V) / 0,02 A$
Adjustment range	: Zero and span up to $\pm 5\%$ (after removing protection cap nut across flats 15)
Accessories	: conduit, electrical plugs

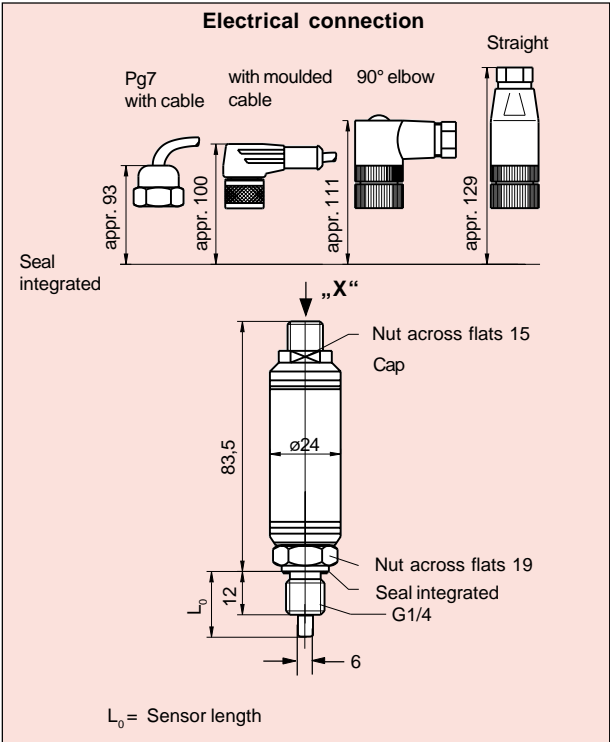
05 / 03 KTE-ENG 03/1

Barksdale Electronic Temperature Transducers / Switches

Specifications are subject to changes without notice.

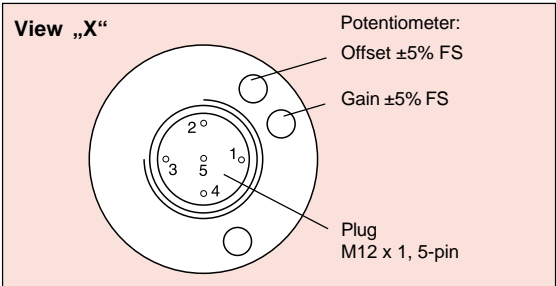
Type UTA 3

Dimensions (in mm)



Electrical connection

Connection	Current output 4-20 mA (2-wire)			Voltage output 0-10V (3-wire)		
	Plug	Cable	GL-Cable	Plug	Cable	GL-Cable
+ Supply	1	brown	blue 1	1	brown	blue 1
- Supply	2	white	blue 2	2	blue	blue 2
+ Signal	---			3	white	white 1
- Signal	---			---		



Order number example

Type	Series	Process-seal	Temperature meas.-range	Output-signal	Electrical connection	Sensor length	Options
UTA 3	63-02	1	03	1	2	01	

Your order number

UTA 3	63-02						
-------	-------	--	--	--	--	--	--

Process seal	Temp. meas.-range	Output signal	Electrical connection	Sensor length	Options
(1) Viton - Standard e. g. hydraulic oil Tmax = 230 °C	(02) -30... +100°C (04) -30... +150°C (08) 0... +100°C (10) 0... +150°C	(1) 4...20 mA 2-wire (2) 0...10 V 3-wire	(1) Cable gland PG 9 incl. 1,5 m cable (2) Plug 4-pin, M12 x 1 (8) Cable gland PG 9 incl. 1,5 m ship cable (with GL-approval) (0) Special connection	(from sealing edge) (01) 17 mm (Standard) (02) 25 mm (03) 50 mm (04) 100 mm (05) 150 mm (06) 200 mm (07) 250 mm (00) Special length	(GL) GL-approval
(3) EPDM - e. g. brake fluid, Tmax = 150 °C	(00) Special ranges				

05 / 03 KTE-ENG 03/1

Barksdale Electronic Temperature Transducers / Switches

Specifications are subject to changes without notice.