

Electronic Temperature Transducer

UTA2

Stainless steel,
accuracy 0.5% f.s.

Measuring ranges

0...+100 °C to -30...+150 °C

Features

Electronic temperature transducer with PT100 sensor
Stainless steel
Compact construction

Applications

Hydraulics and pneumatics, machine and process industry,
mobile applications, test beds, marine applications

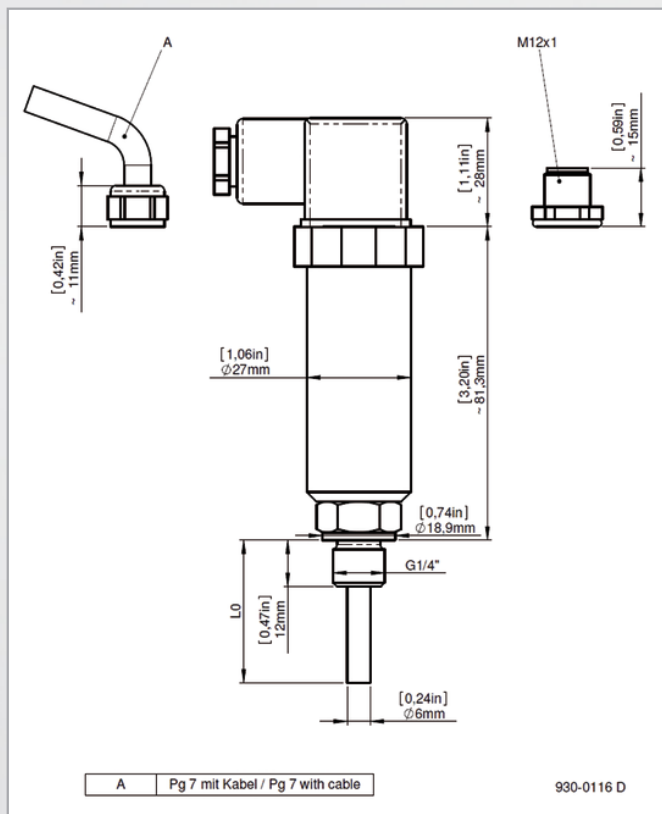


Technical Data

Sensor:	Pt100 (Class B), DIN IEC 751
Materials:	
Wetted Parts	Stainless steel 1.4435
Housing (Electronics)	Stainless steel 1.4435
Seals	FKM, EPDM
Protection class:	IP65 plug, IP67 cable
Process connection:	G 1/4 male, nut across flats 19mm
Dimensions:	see drawings
Weight:	130 g
Measuring ranges:	-30 °C...+100 °C, -30 °C...+150 °C, 0 °C...+100 °C, 0 °C...+150 °C
Proof Pressure:	max. 200 bar, others on request
Linearity error:	≤±0.5 % f. s.
Time constant:	appr. 40 s
Electrical connection:	PG7 incl. 1.5 m cable plug M12 x 1; 5-pin
Sensor length:	17 mm, 50 mm

Sensor diameter:	6 mm
Hysteresis:	≤± 0.1 % f. s.
Repeatability:	≤± 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 SELV/PELV 13...30 V DC SELV/PELV at 0...10 V
Output signals:	4...20 mA (2wire) 0...10 V DC (3-wire)
Power consumption:	max. 30 mA at current output max. 10 mA at load
Load:	≤ (U _B -8V) / 0.02 A
Accessories:	conduit, electrical plugs

Dimensions (mm / inch)



Electrical Connection

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

Order Numbers

Temperature Transmitter with 4-20 mA, M12x1		
Art. No.	Temp. Range in °C	Sensor length in mm
0631-053	0 100	17
0631-054	-30 +150	17
0631-055	0 100	50
0631-056	-30 +150	50