

JUMO dTRANS p31 – Pressure Transmitter for Increased Medium Temperatures (402050)

Feature: for medium temperatures > 120 °C or frequent changes in temperature

- 0 to 1 bar – 0 to 60 bar relative, 0 to 1 bar – 0 to 25 bar absolute
- Medium temperature: -30 to +200 °C (SIP and CIP capable)
- Welded measuring system
- Optional linearity: ≤ 0.2 % MSP/electrolytic polishing of process connection



Order details

(1) Basic type	
402050/000	JUMO dTRANS p31 high temperature
402050/023	JUMO dTRANS p31 high temperature reduced deviation from characteristic line
(2) Input	
454	0 to 1 bar relative pressure
455	0 to 1.6 bar relative pressure
456	0 to 2.5 bar relative pressure
457	0 to 4 bar relative pressure
458	0 to 6 bar relative pressure
459	0 to 10 bar relative pressure
460	0 to 16 bar relative pressure
461	0 to 25 bar relative pressure
462	0 to 40 bar relative pressure
463	0 to 60 bar relative pressure
478	-1 to 0 bar relative pressure
479	-1 to 0.6 bar relative pressure
480	-1 to 1.5 bar relative pressure
481	-1 to 3 bar relative pressure
482	-1 to 5 bar relative pressure
483	-1 to 9 bar relative pressure
484	-1 to 15 bar relative pressure
485	-1 to 24 bar relative pressure
488	0 to 1 bar absolute pressure
489	0 to 1.6 bar absolute pressure
490	0 to 2.5 bar absolute pressure
491	0 to 4 bar absolute pressure
492	0 to 6 bar absolute pressure
493	0 to 10 bar absolute pressure
494	0 to 16 bar absolute pressure
495	0 to 25 bar absolute pressure
998	Special measuring range absolute pressure
999	Special measuring range relative pressure
(3) Output	
402	0 to 20 mA 3-wire
405	4 to 20 mA 2-wire
406	4 to 20 mA 3-wire
412	0.5 to 4.5 V 3-wire
415	0 to 10 V 3-wire
418	1 to 5 V 3-wire
420	1 to 6 V 3-wire
(4) Process connection	
504	G 1/2 DIN EN 837
550	DN 20 aseptic DIN 11864-1A
551	DN 25 aseptic DIN 11864-1A
552	DN 32 aseptic DIN 11864-1A
553	DN 40 aseptic DIN 11864-1A
554	DN 50 aseptic DIN 11864-1A

570	G 1 1/2 front flush DIN EN ISO 228-1
571	G 3/4 front flush DIN EN ISO 228-1
575	G 3/4 front flush, with double gasket
576	G 1 front flush, with double gasket
584	SMS DN 1
585	SMS DN 1 1/2
586	SMS DN 2
603	Taper socket with union nut DN 20 DIN 11851 (dairy compression fitting)
604	Taper socket with union nut DN 25 DIN 11851 (dairy compression fitting)
605	Taper socket with union nut DN 32 DIN 11851 (dairy compression fitting)
606	Taper socket with union nut DN 40 DIN 11851 (dairy compression fitting)
607	Taper socket with union nut DN 50 DIN 11851 (dairy compression fitting)
612	Clamping socket (clamp) DN 10/15/20 DIN 32676 (1" ISO 2852)
613	Clamping socket (clamp) DN 25/32/40 DIN 32676 (1 1/2" ISO 2852)
616	Clamping socket (Clamp) DN 50 DIN 32676 (2" ISO 2852)
619	Clamping socket (Clamp) DN 15 DIN32676 / 3/4" ISO2852
623	Small flange DN 25 DIN28403
652	Tank conn. with slotted union nut DN 25
661	Clamping DRD ø65mm
684	VARIVENT connection DN 15/10
685	VARIVENT connection DN 32/25
686	VARIVENT connection DN 50/40
997	JUMO PEKA adapter system
(5) Process connection material	
20	CrNi (stainless steel)
(6) Electrical connection	
12	Fixed connecting cable encapsulated
36	Round plug M12 × 1
61	Connector for cable connection DIN EN 175301-803, form A
(7) Extra codes	
000	Without extra code
371	factory certificate (2.2) as per EN 10204
374	Inspection certificate 3.1 material DIN EN 10204
452	Wetted, electrolytically polished parts
631	Higher humidity and vibration protection
634	With TAG-number
769	With calibration certificate
870	Inspect. certificate 3.1 surface finish
871	Inspection certificate 3.1 accuracy
872	Declaration of compliance 2.1 material
873	Declaration of compl. 2.1 surface finish
874	Declaration of compliance 2.1 accuracy
956	FDA-Bescheinigung

Order code

(1)	(2)	(3)	(4)	(5)	(6)	(7)

Order details – further information
Basic type extension 023

A reduced deviation from characteristic line is not available for -/+ inputs and only possible with output 405 (4 to 20 mA two-wire).

Process connections 612, 613, 616, 619

These process connections can only be used for measuring spans up to 25 bar.



Accessories

Description	Part no.
Line socket 4-pole, M12×1, straight, 2 m	00404585
Line socket 4-pole, M12 × 1, angled, 2 m	00409334
Line socket 4-pole, M12×1, pressure comp Buchse	00512341
Calibration of the mechanical measurand, pressure on site (also DAkkS)	00758363