

JUMO dTRANS p20 DELTA - Differential Pressure Transmitter with Display (403022)

- HART® interface
- Optional explosion protection Ex ia according to ATEX, GOST-R
- Linearity 0.07 %
- Turn down: 1:200
- Simple operation with rotary knob
- Characteristic line and display also adjustable for flow measurement



Order details

(1) Basic type	
403022	JUMO dTRANS p20 DELTA
(2) Basic type extension	
0	No
2	SIL
(3) Explosion protection	
0	Without explosion protection
1	ATEX EEx ia
(4) Housing	
1	Short, stainless steel, M12 connection
2	Long, stainless steel, with cable gland
3	Long, precision casting, with cable gland
(5) Electrical connection	
36	Round plug M12 × 1
82	Cable fitting
93	Cable gland metal
(6) Cover material	
20	CrNi (stainless steel)
85	Plastic
(7) Display	
0	Without display (LCD)
1	With display (LCD)
(8) Operation	
0	Without operating knob
1	With operating knob
(9) Input	
532	0 to 1 bar DP
530	-10 to 10 mbar DP
531	-1 to 1 bar DP
533	-1 to 6 bar DP
534	-1 to 100 bar DP
(10) Output	
405	4 to 20 mA 2-wire
410	4 to 20 mA 2-wire with HART protocol
(11) Process connection	
511	2x pressure conn. 1/4-18NPT DIN EN 837
998	Diaphragm seal, version with screw connection
(12) Process connection material	
20	CrNi (stainless steel)
80	Tantalum
82	NiMo
(13) Filling medium measuring syst.	
01	Silicone oil
02	Halogenated oil for oxygen applications
(14) Extra codes	
000	Without
085	UKEX

100	Customer-specific configuration (specifications in plain text)
226	With GOST/EAC approval
624	Free from oil and grease
633	Mounting bracket for 2" pipe
634	With TAG-number
635	Manufacturer`s declaration NACE
681	Extended allowed ambient temperature
694	Elevated pressure PN 420 bar

Order code

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)
 / - - - - - - - - - - - - /

Order details – further information
Basic type extension 2 and 3

SIL is only available with 4 to 20 mA HART® protocol (410) and extra code HART® version 5 (932). Not available for measuring range -10 to 10 mbar DP (530). Not available with extra code 681 (expanded admissible ambient temperature available). SIL devices are always delivered with display (1).

Explosion protection 1

ATEX Ex ia does not apply in connection with a cable fitting made out of plastic (82) and the output 4 to 20 mA (405).

Housing 1

The short housing is only available with a round plug M12 x 1 (36) as electrical connection.

Input 530

This input is only available with a process connection made out of stainless steel (12).

Inputs 530, 531

The inputs specified above are not available with an increased nominal pressure (694).

Extra code 100

Please specify the setting you want in plain text. For factory setting see "Accuracy" section in data sheet.

Extra code 226

Upon request.

Extra code 635

Only available with process connection 82 (NiMo) and not with measuring ranges -10 to 10 mbar DP (530) and -1 to 1 bar DP (531).


Accessories

Description	Part no.
Line socket 4-pole, M12×1, straight, 2 m	00404585
Line socket 4-pole, M12 × 1, angled, 2 m	00409334
PC interface with converter USB/TTL	00456352
HART Communication Modem	00443447
Ex-i repeater power supply and input iso amplifier 707530/38	00577948
Mounting bracket, Set incl. screws 7/16-	00543777
Calibration of the mechanical measurand, pressure on site (also DAKKS)	00758363

Accessories see price sheet:

- Manifolds (Type 409706)
- Diaphragm Seal with Dairy Pipe Fitting DIN 11851 (409772)
- Pressure Separator with Clamp Connection (409774)
- Pressure Separator with DRD Flange or VARIVENT Socket (Type 409776)
- Pressure Separator with ISS/SMS/RJT Socket and (Grooved) Union Nut (409778)
- Diaphragm Seal with Membrane 4MDV-10 (409780)

- Pressure Separator with Screw-In Thread DIN ISO 228/1 or ANSI B 1.201 (409782)
- Pressure Separator with Flange Connection DIN EN 1092-1 with Sealing Strip Form B1 (409784)
- Pressure Separator with Flange Connection According to ANSI B 16.5 with Sealing Strip Form RF (409786)

Software

Description	Part no.
JUMO Setup dTRANS p20 series	00537577
SW Device Type Manager (DTM) 403025	00738288