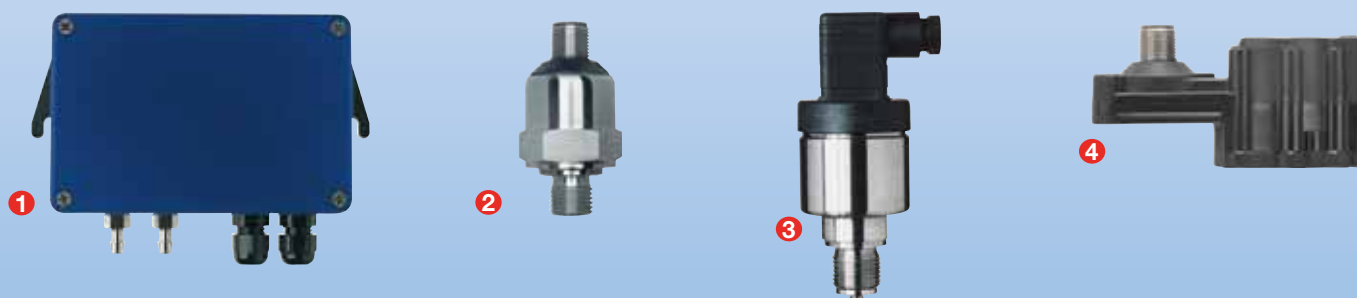


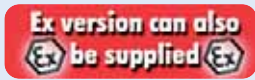
Pressure Transmitters





Item	1	2	3	4
Type	404304	401001 JUMO MIDAS 401005 JUMO MIDAS HP 401006 JUMO MIDAS SI 401009 JUMO MIDAS DR	404327 with ceramic sensor	401050 JUMO MIDAS DP 10
Measuring range (Measuring span) min. max.	relative, barometric 0.5 mbar 1000 mbar	relative, absolute 250 mbar 600 bar	relative, absolute 50 mbar 1 bar	Differential pressure 0.4 bar 16 bar
Output signal	0–10 V 0(4)–20 mA 4–20 mA (2-wire)	0.5–4.5 V, 0–(5)10 V 1–5(6) V 4–20 mA (2-wire)	0.5–4.5 V 4–20 mA (2-wire)	0.5 – 4.5 V ratiometric 4–20 mA (2-wire)
Accuracy (Deviation from characteristic)	1.0 %	0.5 %	0.2 %	0.5 %
Pressure connection	Hose connection 6 mm dia.	¼" pipe to DIN EN 837 (see data sheet for additional ones)	½" pipe to DIN EN 837, also front-flush (see data sheet for additional ones)	2 x G 1/8 to DIN EN 837 (see data sheet for additional ones)
Electrical connection	Screw terminals inside case	Terminal box (DIN 43650), attached cable, circular connector M12 x 1	Terminal box (DIN 43650), attached cable	round connector M 12 x 1, bayonet connector to DIN 72 585
Temperature of medium	–10...+50 °C	–30 to +125 °C	–20 to +80 °C	–15...+100 °C
Application (e.g.)	HVAC, clean-room sector, for gases only	Refrigeration, compressors, utility trucks, hydraulics	Level measurement, low pressures	Filter monitoring, Filling level, Pump control
Features	with indication (option), with swit- ching contacts, with square-root extraction	compact design	high resistant to mechanical stress	for liquid and gaseous media
Further information	Data Sheet 40.4304	Data Sheet 40.1001 40.1005/40.1006	Data Sheet 40.4327 Brochure PR 40010 GB	Data Sheet 40.1050 Brochure PR 40016 GB

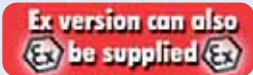
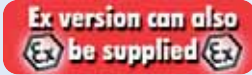


Item	1	2	3
Type	404366 JUMO dTRANS p30 402051 JUMO dTRANS p32 404753 JUMO dTRANS p33	402050 JUMO dTRANS p31	402055 JUMO CANtrans p Keramik 402056 JUMO CANtrans p 402057 JUMO CANtrans pT
Measuring range (Measuring span) min. / max.	relative, absolute 40 mbar/600 bar	relative, absolute 250 mbar/25 bar	relative, absolute 250 mbar/600 bar
Output signal	0.5–4.5 V, 0–10 V 1–5(6) V, 0(4)–20 mA 4–20 mA (2-wire)		CANopen protocol
Accuracy (Deviation from characteristic)	0.5 % (0.2 % option)	0.5 %	
Pressure connection	½" pipe to DIN EN 837 (for others, see Data Sheet)	front-flush (for others, see Data Sheet)	¼" pipe to DIN EN 837 (for others, see Data Sheet)
Electrical connection	Terminal box, attached cable, circular connector M12x1		Circular connector 12x1
Temperature of medium	–30 to +120 °C	–30 to +200 °C	–20 to +120 °C
Application (e.g.)	Industrial pressure transmitter, general application	CIP plant, high temperature of medium	Utility trucks, industrial plant with CANbus control
Features	Pressure connection also front-flush EHEDG-certified connection adapters JUMO PEKA 	EHEDG-certified connection adapters JUMO PEKA	can also be supplied with temperature and pressure
Further information	Data Sheet 40.2051/ 40.4366/40.4753 (Ex)/ 40.9711 (EHEDG) Brochure PR 40009 GB	Data Sheet 40.2050/ 40.9711 (EHEDG) Brochure PR 40009 GB	Data Sheet 40.2055/ 40.2056/40.2057 Brochure PR 00051 GB



Item	1	2	3	4
Type	402090 JUMO dTRANS p90	404390	404391	OEM- pressure cells
Measuring range (Measuring span) min. max.	relative 250 mbar 6 bar	relative 250 mbar 25 bar	relative 50 mbar 1 bar	relative, absolute 250 mbar 1000 bar
Output signal	0.5–4.5 V 0–10 V 1–5(6) V 0(4)–20 mA 4–20 mA (2-wire)	4–20 mA (2-wire)	0.5–4.5 V 4–20 mA (2-wire)	according to test report
Accuracy (Deviation from characteristic)	0.5 %		0.2 %	0.2 / 0.5 %
Pressure connection	1/4" pipe female closed at bottom, open at bottom	1/4" pipe female open at bottom	closed at bottom open at bottom	see Data Sheet
Electrical connection	free cable end			see Data Sheet
Temperature of medium	0 to 50 °C		–20 to +60 °C	–40 to +140 °C
Application (e.g.)	Level measurement			Pressure measurement in liquids and gases
Features	PE cable, also female thread	various cable sheath materials, also female thread	various cable sheath materials, also plastic housings	–
Further information	Data Sheet 40.2090	Data Sheet 40.4390	Data Sheet 40.4391	Data Sheet (on request)



Item	1	2	3
Type	404382 JUMO dTRANS p02 DELTA	404385 JUMO dTRANS p02	404387 JUMO dTRANS p02 KERAMIK
Measuring range (Measuring span) min. max.	Differential pressure 60mbar 25 bar	relative, absolute 100mbar 600 bar	relative, absolute 100mbar 25 bar
Output signal	4–20 mA (2-wire), additionally HART		
Accuracy (Deviation from characteristic)	0.1 %		
Pressure connection	2x ¼-18NPT female thread or with pressure separator	½“ pipe to DIN EN 837 (for others see Data Sheet)	
Electrical connection	Clamping case with screw cover		
Temperature of medium	–40 to +100 °C	–30 to +120 °C	–40 to +120 °C
Application (e.g.)	Filling level, flow-through	universal	Food
Features	various accessories, full range of pressure separators 	Pressure connection also front-flush, various accessories, full range of pressure separators, EHEDG-certified connection adapters JUMO PEKA 	Pressure connection also front-flush, various accessories
Further information	Data Sheet 40.4382 Brochure 40006 GB	Data Sheet 40.4385/ 40.9711 (EHEDG) Brochure 40006 GB	Data Sheet 40.4387 Brochure 40006 GB

High-profile products and services

e-mail: mail@jumo.net

Phone: +49 661 6003-0



Analytical Measurement

- pH/redox: sensors and transmitters/controllers
- Conductivity instrumentation: conductive and inductive
- Dissolved oxygen measurement
- Chlorine, chlorine dioxide, ozone, hydrogen peroxide and peracetic acid instrumentation
- Fittings and accessories



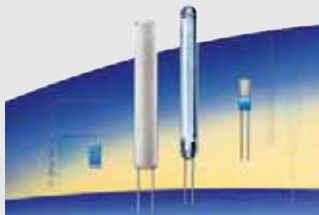
Pressure measurement technology

- Pressure transmitters
- Level probes
- Pressure gauge
- Pressure switch
- Pressure cells
- Chemical seals and accessories



Transducers for Temperature and Humidity

- Thermocouples
- Resistance thermometers
- Ex temperature probes (ATEX)
- Wireless temperature probe
- Humidity measuring instruments
- DKD (German Calibration Service) laboratory
- Nationally accredited testing station for heat



Platinum temperature sensors

in wirewound technology:

- Glass
- Glass with glass extension
- Ceramic
- Foil

in thin-film technology:

- Chip with connecting wires
- Chip in SMD style on epoxy board
- Chip with terminal clamps
- Chip in cylindrical style
- Chip in SMD style



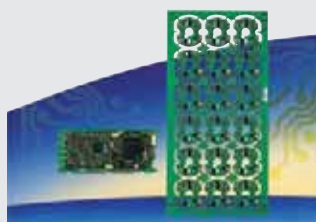
Controllers, Power units, System/Recording technology

- Process controls and programmers
- Automation software
- Electronic thermostats/microstats
- Safety temperature monitor/limiter
- Digital indicators
- Process controller
- Recording instruments
- Temperature transmitters
- Thyristor power switches/power units
- Software and accessories



Thermostats and Dial Thermometers

- Panel and surface mounting thermostats in TR, TW, TB, STW and STB versions
- Room thermostats
- Warm-air thermostats
- Ex thermostats (ATEX)
- Electronic thermostats
- Dial thermometers as indicating and control instruments
- Bimetallic temperature switches
- Electronic temperature indicators with transmitter



Electronic modules

- CAD layouting
- Component procurement
- THT and SMD placing
- AOI-testing
- In-circuit testing
- Functional testing
- Run-in
- Final assembly
- Final instrument test



Metalworking

- Stamping and forming systems
- Tool manufacture
- Flexible sheet metal working
- Welding, jointing and assembly systems
- Surface engineering
- Machining
- Float
- Materials laboratory



Service

- Planning and project design for automation solutions
- German Calibration Service (DKD) for temperature
- Support during commissioning and optimization
- Worldwide service network
- Technical support line
- Seminars and workshops
- Fieldbus center
- Technical literature
- JUMO home page: www.jumo.net



Head office Fulda
JUMO GmbH & Co. KG
☎ +49 661 6003-0
mail@jumo.net
www.jumo.net

Darmstadt
☎ +49 6151 3508-0
<http://darmstadt.jumo.info>

Essen
☎ +49 201 86627-0
<http://essen.jumo.info>

Hanover
☎ +49 5723 9432-0
<http://hannover.jumo.info>

Ingolstadt
☎ +49 841 37934-0
<http://ingolstadt.jumo.info>

Leipzig
☎ +49 341 4900810
<http://leipzig.jumo.info>

Stuttgart
☎ +49 7021 95091-0
<http://stuttgart.jumo.info>

Austria
JUMO Mess- und Regelgeräte Ges.m.b.H
☎ +43 1 6 10 61 0
info@jumo.at
www.jumo.at

Belgium
JUMO Automation S.P.R.L./P.G.M.B.H./B.V.B.A.
☎ +32 87 59 53 00
info@jumo.be
www.jumo.be

Bulgaria
JUMO Izmervatelni uredi i Regulatori
☎ +359 2 973 39 88
jumobg@centrum-group.com

Croatia
JUMO Mess- u. Regelgeräte Ges.m.b.H
☎ +385 42 30 30 10
info@jumo.hr
www.jumo.hr

Czech Republic
JUMO Mereni a regulace s.r.o.
☎ +420 541 321 113
info@jumo.cz
www.jumo.cz

Denmark
JUMO Måle- og Regulerings teknik A/S
☎ +45 46 19 46 66
info.dk@jumo.net
www.jumo.dk

Hungary
JUMO HUNGARIA Kft.
☎ +36 1 467 08 35
jumobudapest@jumo.hu
www.jumo.hu

France
JUMO Régulation SAS
☎ +33 02 24 13 55 1
info@jumo.net
www.jumo.fr

Italy
JUMO Italia SRL
☎ +39 02 24 13 55 1
info@jumo.it
www.jumo.it

Netherlands
JUMO Meet- en Regeltechniek B.V.
☎ +7 495 961 32 44
info@jumo.nl
www.jumo.nl

Norway
JUMO AS
☎ +47 67 97 37 10
helge.hoff@jumo.no
www.jumo.no

People's Republic of China
JUMO Automation Dalian Co. Ltd.
☎ +86 21 355 4400
veto@veto.cl
www.veto.cl

Poland
JUMO Sp.z.o.o.
☎ +48 71 3 39 82 39
biuro@jumo.com.pl
www.jumo.pl

Romania
S.C. JUMO Romania S.R.L.
☎ +402 573 48 499
info@jumo.ro
www.jumo.r

Russia
JUMO GmbH
☎ +7 495 961 32 44
jumo@jumo.ru
www.jumo.ru

Saudi Arabia
JUMO GmbH & Co. KG
☎ +971 4 347 2936
Tahsin.Sayman@jumo.net

Sweden
JUMO Mät- och Reglerteknik AB
☎ +46 42 38 62 80
info@jumo.se
www.jumo.se

Switzerland
JUMO Mess- und Regeltechnik AG
☎ +41 44 928 24 44
info@jumo.ch
www.jumo.ch

Serbia/ Montenegro
JUMO Mereni i regulacioni uredajaj
☎ +381 11 285 2279
sipljan@eunet.yu

Slovakian Republic
JUMO Slovensko s.r.o.
☎ +421 244 87 16 76
jumo@stonline.sk
www.jumo.sk

Slovenia
JUMO merilni i regulacijski aparati
☎ +386 2 421 51 83
info@jumo.si
www.jumo.si

Spain
JUMO Control S.A.
☎ +34 93 4 10 94 92
g.jentsch@jumo.es

Turkey
Meter Elektronik San.ve Tic A.S.
☎ +90 212 886 64 57
info@meter.com.tr

USA
JUMO Process Control, Inc.
☎ +1 315-697-5866
info@jumo.us
www.JUMO.us

United Arab Emirates
JUMO GmbH & Co. KG Middle East Office
☎ +971 4 347 2936
jumomiddleeast@eim.a

United Kingdom
JUMO Instrument Co. Ltd.
☎ +44 1279 635533
ales@jumo.co.uk
www.jumo.co.uk

For further international locations please visit www.jumo.net