JUMO

More than sensors **+** automation

2021 Stock Catalog
USA and Canada

In stock and ready to ship

Contents

JUMO Canada provides a customer oriented part warehouse. Bigger selection is available at JUMO USA and JUMO GmbH & Co KG, Germany. This stock catalog lists the products we have in our US warehouse in stock and ready to ship, but our full product selection is vast. If you don't see exactly what you are looking for, you can visit our website, call, or email us. We would be happy to help you find the right product. Many more products are available as stock items at JUMO headquarters in Germany, or we can work with you to build the right custom product for your particular application. We have a long history of success partnering with OEM manufacturers to supply custom components.

Prices are valid through 2021.

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JUMO Mineral-Insulated Thermocouples with Compensating Cable
According to DIN 43710 and DIN EN 60584 (901210)

Features

- For temperatures between -328 and 2192 °F (-200 and 1200 °C)
- Flexible sheath cable with vibration-resistant measuring insert
- Protection tube diameter: 1.5 mm
- Quick response time
- Application-specific insertion length

(full tip length 7 ½ inches)

Part number	Operating temperature	Measuring Insert	Diameter	Fitting length	Cable length	Price
00445812	-328 to 2192 °F (-200 to 1200 °C)	1 x NiCr-Ni ¨K¨	1.5 mm	190 mm	3000 mm	$70.24

JUMO Screw-in RTD Temperature Probe
with form B terminal head (902020)

00439161

00329928

Features

- For temperatures between -58 and 752 °F (-50 and 400 °C)
- With interchangeable measuring insert
- As single or double RTD temperature probe
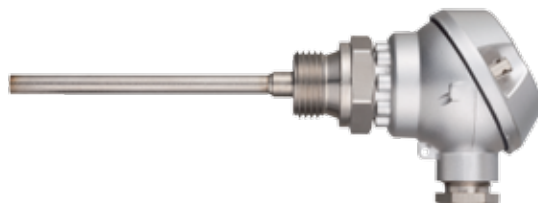- Available with transmitter
- Protection type IP65

Part number	Class	Operating temperature	Measuring insert	Diameter	Fitting length	Process connection	Price
00329928	B	-58 to 752 °F (-50 to 400 °C)	2 x Pt 100 (2-wire)	9mm	100 mm	Thread G 1/2	$212.13
00439161	B	-58 to 752 °F (-50 to 400 °C)	1 x Pt 100 (3-wire)	9mm	160 mm	Thread 1/2-14 NPT	$198.84

JUMO Screw-in RTD Temperature Probe
with form J terminal head (902030)

Features

- For temperatures between -58 and 752 °F (-50 and 400 °C)
- As single or double RTD temperature probe
- Protection type IP65

Part number	Operating temperature	Measuring insert	Diameter	Fitting length	Process connection	Price
00055692	-58 to 752 °F (-50 to 400 °C)	1 x Pt 100 (2-wire)	6 mm	50 mm	Thread G 1/2	$122.93
00055693	-58 to 752 °F (-50 to 400 °C)	1 x Pt 100 (2-wire)	6 mm	100 mm	Thread G 1/2	$122.14
00055694	-58 to 752 °F (-50 to 400 °C)	1 x Pt 100 (2-wire)	6 mm	150 mm	Thread G 1/2	$125.55
00383011	-58 to 752 °F (-50 to 400 °C)	2 x Pt 100 (2-wire)	6 mm	50 mm	Thread G 1/2	$157.43

JUMO Screw-in RTD Temperature Probe
with connecting cable (902050)

Features

- For measuring temperatures in liquids and gases
- For temperatures from -58 to 572 °F (-50 to 300°C)
- Ability to form reliable seals for vacuum and high pressure applications
- Single RTD temperature probe in 2-wire circuit
- Shielded connecting cable is bend-protected

Part number	Cable shielding	Process connection	Operating temperature	Measuring insert	Diameter	Fitting length	Cable length	Price
00055722	Shielded connecting cable	Thread M8 (x1.25)	-58 to 572 °F (-50 to 300 °C)	1 x Pt 100 2-wire	8 mm	25 mm	2500 mm	$128.30

JUMO Push-In RTD Temperature Probe
with connecting cable (902150)

Features

- For temperatures between -58 to 356 °F (-50 to 180°C)
- Single RTD temperature probe in 2-wire circuit
- Connecting cable made of silicone or PTFE

00642527

Part number	Model	Operating temperature	Measuring insert	Diameter	Fitting length	Cable end	Cable length	Price
00389771	Push-in RTD with connecting cable, one piece protection tube in SS	-58 to 356 °F (-50 to 180 °C) Silicone cable	1 x Pt 100 2-wire	6 mm	50 mm	Ferrules	2500 mm	$52.32
00589437	Push-in RTD with connecting cable, multi-part protection tube (welded) in SS	-58 to 356 °F (-50 to 180 °C) Silicone cable	1 x Pt 100 2-wire	6.4 mm	152.4 mm	Ferrules	2500 mm	$65.93
00589459	Push-in RTD with connecting cable, one piece protection tube in SS	-58 to 356 °F (-50 to 180 °C) Silicone cable	1 x Pt 100 2-wire	6 mm	50 mm	Tin plated cable ends	2000 mm	$46.45
00589505	Push-in RTD with connecting cable, multi-part protection tube (welded) in SS	-58 to 356 °F (-50 to 180 °C) Silicone cable	1 x Pt 100 2-wire	6.4 mm	51 mm	Bare cable ends	2000 mm	$55.84
00642527	Push-in RTD with connecting cable	-58 to 500 °F (-50 to 260 °C) PTFE	1 x Pt 100 2-wire	4.8 mm	76 mm	Contact pin 6.3	1000 mm	$90.43

JUMO Mineral-Insulated RTD Temperature Probes
with connecting cable according to DIN EN 60751 (902210)

Features

- Flexible mineral insulated cable with vibration resistant measuring insert
- Sheath contains low-ohmic copper conductor wires embedded in compressed, heat-resistant magnesium oxide
- For temperatures between -58 and 1112 °F (-50 and 600 °C)
- Quick response time

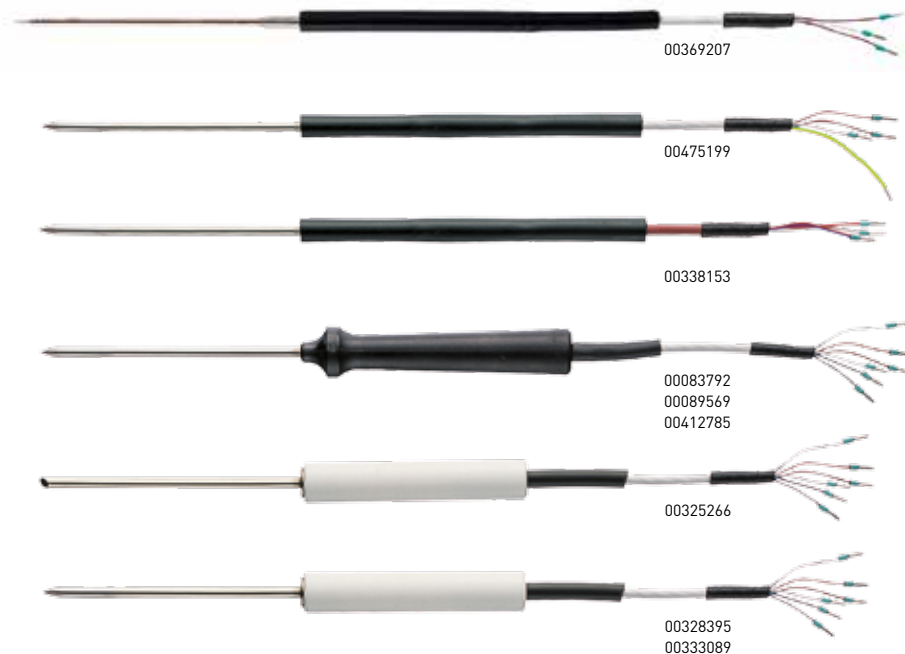| Part number	Operating temperature	Measuring Input	Diameter	Fitting length	Cable Length	Price
00055763	-58° to 1112 °F (-50 to 600 °C)	1x Pt1000 3-wire	3mm	300mm	2500 mm	$118.38
00068243	-58° to 1112 °F (-50 to 600 °C)	1x Pt1000 3-wire	3mm	100 mm	2500 mm	$113.14

JUMO FOODtemp

Insertion RTD temperature probe (902350)

Features

- For temperatures between -58 to 500 °F (-50 to 260 °C)
- Steam tight and pressure resistant
- High mechanical strength
- In 3-wire circuit
- Available with multiple measuring points

00369207

00475199

00338153

00083792
00089569
00412785

00325266

00328395
00333089

00523228

00585550

Part number	Model	Operating temperature	Measuring insert	Diameter	Fitting length	Insertion tip	Cable length	Connecting cable specs	Price
00083792	RTD insertion temperature probe with PPS plastic handle Ø 20 mm and PTFE cable	-58 to 392 °F -50 to 200 °C	1 x Pt 100 3-wire	4 mm	100 mm	Centric, angle 25°	4000 mm		$278.44
00089569	RTD insertion temperature probe with PPS plastic handle Ø 20 mm and PTFE cable	-58 to 392 °F -50 to 200 °C	2 x Pt 100 3-wire	4 mm	100 mm	Centric, angle 25°	4000 mm		$293.78
00325266	RTD insertion temperature probe with PTFE handle Ø 15 mm and PTFE cable	-58 to 500 °F -50 to 260 °C	2 x Pt 100 3-wire	4.5 mm	100 mm	Bevel, angle 45°	4000 mm		$408.50
00328395	RTD insertion temperature probe with PTFE handle Ø 15 mm and PTFE cable	-58 to 500 °F -50 to 260 °C	1 x Pt 100 3-wire	4 mm	150 mm	Centric, angle 25°	4000 mm	Shielded	$357.56
00333089	RTD insertion temperature probe with PTFE handle Ø 15 mm and PTFE cable	-58 to 500 °F -50 to 260 °C	1 x Pt 100 3-wire	4 mm	100 mm	Centric, angle 25°	4000 mm		$354.94
00338153	RTD insertion temperature probe with silicone handle Ø 10 mm and silicone cable	-58 to 392 °F -50 to 200 °C	1 x Pt 100 3-wire	4 mm	100 mm	Centric, angle 25°	4000 mm	Shielded	$184.54
00369207	Miniature RTD insertion temperature probe with FPM handle Ø 6.5 mm and shielded PTFE cable	-58 to 392 °F -50 to 200 °C	1 x Pt 100 3-wire	Ø 4 mm stepped down to Ø 2.5 mm	80 mm	Centric, angle 25°	4000 mm	Shielded	$226.53
00412785	RTD insertion temperature probe with PPS plastic handle Ø 20 mm and PTFE cable	-58 to 392 °F -50 to 200 °C	1 x Pt 100 3-wire	4 mm	150 mm	Centric, angle 25°	4000 mm		$265.57
00475199	RTD insertion temperature probe with silicone handle Ø 10 mm and PTFE cable	-58 to 392 °F -50 to 200 °C	1 x Pt 100 3-wire	4.5 mm	150 mm	Centric, angle 25°	8000 mm	Shielded	$254.88
00523228	RTD insertion temperature probe with PEEK handle and PTFE cable	-58 to 500 °F -50 to 260 °C	1 x Pt 100 3-wire	4 mm	100 mm	Bevel, angle 25°	4000 mm		$246.22
00585550	RTD insertion temperature probe with PEEK handle and PTFE cable	-58 to 500 °F -50 to 260 °C	1 x Pt 100 3-wire	Ø 4 mm stepped down to Ø 2.5 mm	100 mm	Centric, angle 25°	4000 mm		$263.19

JUMO Surface RTD Temperature Probe
with connecting cable (902550)

Features

- For temperatures from -58 to 500 °F (-50 to 260 °C)
- Aluminum protection fittings
- Simple and quick installation
- Low thermal mass
- Used for measuring temperatures on closed pipe systems and/or other round or level surfaces

Part number	Operating temperature	Measuring insert	Class	Connecting cable ends	Cable length	Price
00306774	-58 to 500 °F (-50 to 260 °C)	1x Pt 100 (2-wire)	B	Ferrules	2500 mm	$93.11

JUMO STEAMtemp Push-in RTD Temperature Probe
in steam tight version (902830)

Features

- For temperatures between -58 to 302 °F (-50 to 150 °C)
- As single or double RTD temperature probe
- Preferred choice for measuring in sterilizers and other applications in a pressurized atmosphere containing steam, such as laboratory equipment

Part number	Operating temperature	Measuring insert	Diameter	Class	Fitting length	Cable length	Price
00374486	-58 to 302 °F (-50 to 150 °C) PTFE connecting cable	2 x Pt 100 (3-wire)	6 mm	A	200 mm	5000 mm	$170.71
00446561	-58 to 302 °F (-50 to 150 °C) PTFE connecting cable	1 x Pt 100 (3-wire)	6 mm	A	200 mm	5000 mm	$157.78

JUMO Wtrans T
RTD Temperature Probe with Wireless Data Transmission (902930)

00496833

Features

- Measuring ranges: -22 to +500 °F or -328 to +1112 °F
- Radio frequency: 868.4 MHz or 915 MHz
- Also available with ATEX approval *ATEX only comes in 868MHz
- Open air range up to 300 m
- Wiring expenses are eliminated with modern wireless technology
- Fail-safe transmission with telegram coding
- Battery status monitoring
- Configurable with easy-to-use PC setup program

00580030

Part number	Operating temperature	Measuring input	Transmit. frequency	Insertion length	Insertion tip	Diameter	Price
00496833	-22...500°F (-30..260°C)	1x Pt1000 3-wire	915 MHz	100mm	bevel, angle 45°	Ø 4mm	$492.65

PC Interface cable	Interface	Price
00534690	Battery-Set 3,6 V/1700 mAh Lithium (+125°C) EBD BATTERY ETS	$41.51
00456352	PC interface with converter USB/TTL	$218.67

JUMO wTRANS receiver

Universal Receiver for JUMO Wireless Measuring Probes (902931)

Features

- Universal receiver for JUMO wireless measuring probe
- In combination with corresponding transmitter for RTD temperature probes, thermocouples, resistance/potentiometer, voltage input, or pressure measurement
- Wiring expenses are eliminated with modern wireless technology
- For up to 16 transmitters per receiver (can be freely combined)
- RS485 interface with Modbus protocol
- Four analog outputs/up to two switching outputs (relay)
- Operation directly on device or by using setup program on PC
- Customer-specific linearization (40 value pairs or 4th order polynomial)

Part number	Basic type	Transmitter frequency	Voltage supply	Price
00543032	Wtrans receiver T01.EC1 with wireless transmission of the measured values, 4 analog outputs	915 MHz	AC 110..240V +10/-15%,48..63Hz	$708.23

PC Interface cable	Interface	Price
00482648	Antenna wall bracket with opposite pole for Lambda/4-antenna	$28.13
00456352	Converter USB/TTL	$218.67

JUMO EM-Series

Panel mounted thermostats up to 572 °F (300 °C) (602021)

Features

- Liquid or gas expansion
- Self-monitoring in the event of a pressure drop
- Safety cut-out at -4 °F (-20 °C)
- Single-pole snap switches

EM-1

EM-5

Part number	Basic type	Range	Capillary length	Switching differential	Probe diameter	Price
60000211	EM-5 Temperature limiter, adjustable (TB), 1-pole	122 to 572 °F (50 to 300 °C)	1000 mm	2.5 %	6 mm	$210.77
60000494	EM-1 Temperature controller (TR), 1-pole	32 to 212 °F (0 to 100 °C)	1000 mm	2.5 %	6 mm	$170.25
60000495	EM-1 Temperature controller (TR), 1-pole	122 to 572 °F (50 to 300 °C)	1000 mm	2.5 %	6 mm	$197.35
60000923	EM-1 Temperature controller (TR), 1-pole	122 to 572 °F (50 to 300 °C)	2000 mm	2.5 %	6 mm	$208.14
60000924	EM-5 Temperature limiter, adjustable (TB), 1-pole	32 to 302 °F (0 to 150 °C)	1000 mm	2.5 %	6 mm	$183.67
60002717	EM-1 Temperature controller (TR), 1-pole	32 to 212 °F (0 to 100 °C)	1000 mm	2.5 %	8 mm	$170.25

JUMO dTRANS T03

2-wire / 3-wire transmitter (707030)

00394779

Features

- Designs for B head or DIN rail installation
- PT100 (2 or 3-wire connection)
- Analog measured value processing
- Smallest measuring range 25 kelvin
- Output: 2-wire 4 to 20 mA; 3-wire 0 to 10 V
- Adjustable / configurable version
- Measuring circuit monitoring NAMUR NE 43
- Fine adjustment / configuration via setup program

00438518

Part number	Input	Output	Range	Price
00394779	1 x Pt 100 (3-wire)	4 to 20 mA (2-wire)	32 to 212 °F (0 to 100 °C)	$86.37
00438518	1 x Pt 100 (3-wire)	0 to 10V (3-wire)	32 to 212 °F (0 to 100 °C)	$175.81

PC Interface cable	Interface	Price
00553388	PC interface with Converter USB/SPI	$248.95

JUMO dTRANS T05

Input programmable 2-wire transmitter (707050)

Measuring input for RTD temperature probe, thermocouple, resistor / potentiometer, resistance transmitter, and voltage

Features

- Input and output are galvanically isolated
- Control LED (red / green)
- Configuration directly via USB cable (mini B) without additional auxiliary voltage
- Customer-specific linearization
- Detection of the min./max. process value (drag indicator function including point in time)
- Option to specify the temperature in °F for temperature sensors

Part number	Input	Output	Range	Price
00582219	1 x Pt 100 (3-wire)	4 to 20 mA analog	32 to 212 °F (0 to 100 °C)	$169.88

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JUMO dTRANS T06

Multifunctional Four-Wire Transmitter in Mounting Rail Case (707071)

Features

- Universal input for a large number of sensors and standard signals
- Intuitive operation and configuration on the device or through USB interface with setup program
- RS485 interface (Modbus RTU) and relay output limit value (option)
- Intelligent additional functions such as min./max. drag indicator, operating hours counter, and output simulation
- SIL 2/SIL 3 according to DIN EN 61508 and PL c/d according to DIN ISO 13849 (option)
- Sensor matching for RTD temperature probes

Part number	Version	Voltage supply	Range	Input 1	Output	Price
00694861	Standard with default settings	DC24V +10/-15 %	0...100	Pt100 3-wire	4..20 mA	377.73

JUMO eTRON M

Electronic microstat (701060) (701150)

Features

- Three digit backlit LCD display with special characters
- Measuring input for RTD temperature probes, thermocouples, and current or voltage standard signals
- 1 x 10 A relay (changeover contact) or 2 x 5 A relays (normally open contact)
- Customer-specific linearization via tabular function
- Heating operation, cooling operation, or limit value monitoring
- Adjustable switching hysteresis
- Counters for operating hours and service
- Optional configuration with setup program
- UL approval

Part number	Format	Input			Output	Power supply	Price
00442685	76 x 36 mm	Pt 100 (2-wire)	Pt 1000 (2-wire)	KTY2X-6	Relay (changeover 10A/250V)	AC115V + 10/15 %, 48 to 63Hz	$176.64
00463300	76 x 36 mm	Pt 100 (2-wire)	Pt 1000 (2-wire)	KTY2X-6	2 relays (make 5A/250V)	DC12 to 24V ±15 %, AC 24V ±15 %	$176.64
00479733	76 x 36 mm	Fe-CuNi "J"	Fe-CuNi "L"	Fe-CuNi "K"	2 relays (make 5A/250V)	AC115V + 10/15 %, AC 24V ±15 %	$176.64
00480749	76 x 36 mm	Fe-CuNi "J"	Fe-CuNi "L"	Fe-CuNi "K"	2 relays (make 5A/250V)	DC12 to 24V ±15 %, AC 24V ±15 %	$176.64

PC Interface cable	Interface	Price
00301315	PC interface with converter RS232/TTL	$124.05
00456352	PC interface with converter USB/TTL	$218.67

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JUMO eTRON T100

Electronic Thermostat (701052)

Features

- 5 measuring input groups available
- User level with 8 parameters
- Dot matrix display 64 × 80 pixels with 4 national languages
- Data logger function
- Service and operating hours counter
- Connection via terminal blocks with PUSH IN technology
- 10 A relay (changeover contact)
- Customer-specific linearization in the setup program
- Limit value monitoring
- Timer function
- Meeting the standards and specifications for use in rail vehicles according to DIN EN 50155, DIN EN 50121, and DIN EN 45545

Part number	Format	Input	Output	Voltage Supply	Price
00680789	48x96 mm	1x analog input, 1x digital input	1x digital output	AC 110..240V +10/-15%,48..63Hz	$433.90
00680795	96x48 mm	1x analog input, 1x digital input	1x digital output	AC 110..240V +10/-15%,48..63Hz	$433.90
00680798	96x96 mm	1x analog input, 1x digital input	1x digital output	AC 110..240V +10/-15%,48..63Hz	$459.07

PC Interface cable	Interface				Price
00718287	Standard with default settings	RTD temperature probes pt100, pt1000		AC 230 V +10/-15%, 48 to 63 Hz	Price on request
00702233	eTRON T100				Price on request

JUMO diraTRON

Compact Controller
(702110/11/12/13/14)

Features

- Fixed value or program controller
- 2 parameter blocks
- Setpoint changeover (4 setpoint values)
- Ramp and timer function
- 4 limit value monitoring functions
- Individual operator level
- Separate application using structured text (ST code; option)
- Fast wiring through PUSH IN technology
- RS485 interface (option)

Part number	Format	Input	Output	Power supply	Price
00680786	48x48 mm	1x analog input, 1x digital input	digital output	AC 110..240V +10/-15%,48..63Hz	$377.64
00680787	48x48 mm	1x analog input, 1x digital input	digital output	AC/DC 20..30V,48..63Hz	$377.64

Part Number	Software version 1	Software 1	Price
00678822	setup data	383.01.xx/1.03J	Price on request

JUMO dTRON 304 / 308 / 316

Compact controller with program function (703041)

Features

- 48 x 48, 48 × 96 mm, 96 x 48, 96 × 96 mm formats
- Universal analog measuring input, two programmable binary input
- 2-state / 3-state continuous controller, 3-step continuous controller
- Timer / ramp function
- Program with 8 sections
- Customizable function for math and logic
- 4 limit values are monitored
- Modbus interface, PROFIBUS-DP interface
- Standard configuration: 1x universal measuring input, 2 x binary inputs, 2 x relays, 2 x logic output
- Voltage supply for 2-wire transmitter (see data sheet)
- UL approval

Part number	Format	Input	Output	Power supply	Price
00441973	48 x 48 mm	2 x relay, 2 x logic-in/output 0 / 12V	1 x analog	AC/DC 110 to 240V +10 / -15 %, 48 to 63 Hz	$448.41
00441999	48 x 48 mm	2 x relay, 2 x logic-in/output 0 / 12V	1 x analog	AC/DC 110 to 240V +10 / -15 %, 48 to 63 Hz	$511.94
00442004	48 x 96 mm	2 x relay, 2 x logic-in/output 0 / 12V	1 x analog	AC/DC 110 to 240V +10 / -15 %, 48 to 63 Hz	$547.93
00442005	96 x 48 mm	2 x relay, 2 x logic-in/output 0 / 12V	1 x analog	AC/DC 110 to 240V +10 / -15 %, 48 to 63 Hz	$484.40
00442007	96 x 96 mm	2 x relay, 2 x logic-in/output 0 / 12V	1 x analog	AC/DC 110 to 240V +10 / -15 %, 48 to 63 Hz	$489.05
00475571	96 x 96 mm	2 x relay, 2 x logic-in/output 0 / 12V	1 x analog	AC/DC 20 to 30V 48 to 63Hz	$489.05

PC Interface cable	Interface	Price
00301315	PC interface with converter RS232/TTL	$124.05
00456352	PC interface with converter USB/TTL	$218.67

JUMO DICON touch

Two-Channel Process and Program Controller with Paperless Recorder and Touchscreen (703571)

Features

- Precise control of two PID processes
- Easy-to-use program generator control and program entry
- Interfaces: USB host, USB device, Modbus, PROFIBUS DP, PROFINET IO device, and Ethernet
- Process-data recording with tamper-proof data storage
- Individual process-screen display with configurable edit boxes
- Flexible through modular hardware
- Password-protected user management
- Five-digit analog-value display
- Control loop and output value monitoring
- Protection type IP66

Part number	Input	Version	Voltage Supply	Dimensions	Price
00607044	2x universal inputs, 2x relays	Standard with default settings	AC 110..240V +10/-15%,48..63Hz	96x96x130 mm	Price on Request

Part number	Interface	Price
00606496	Setup/Programmeditor/Startup JUMO DICON touch Download 266.exe (30 days Test Version) (117.7 MB)	$395.80
00581177	Math and logic module	Price on request

www.jumo.ca :: For non-stock or custom variations, please call us at (905) 608-9669or email info.ca@jumo.net

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JUMO IMAGO F3000

Process control for the meat processing industry (700101)

Features

- 5˝ color graphic display and LED display with height of 12 mm
- 8 universal measuring inputs
- 2-state/3-state, three step controller, continuous controller
- 4 control channels
- F value, C value, delta T, core temperature
- Inputs/outputs can be expanded in a modular structure
- 99 programs with real-time clock
- Math and logic function
- Recording function
- Modbus interface, PROFIBUS-DP interface
- Self-optimization
- Plug and Play memory
- Configurable via keypad or setup program
- UL approval

Part number	Input	Version	Voltage Supply	Dimensions	Price
00439671	4 analog / 5 logic inputs totally configurable	Standard with default settings	AC 110..240V +10/-15%,48..63Hz	332x165mm	Price on Request

PC Interface cable	Interface	Price
00301315	PC interface with converter RS232/TTL	$124.05
00456352	PC interface with converter USB/TTL	$218.67

JUMO IMAGO 500

Multichannel process controller and program controller (703590)

Features

- 144 × 130 mm format (installation dimensions 92 × 92 mm)
- 5˝ color graphic display
- 2-state controller, 3-state controller, 3-step controller, position controller, continuous controller
- Control of C-level, differential, ratio, and humidity
- Up to 8 control channels (4 cascade controllers)
- Inputs/outputs have modular extensibility
- Extendable by 2 relay modules (8 relays each)
- Modbus interface, PROFIBUS-DP interface
- Freely configurable screen masks
- 50 programs with 100 segments and real time clock
- 16 control contacts
- Math and logic functions
- 16 limit values are monitored
- Recording function
- Teleservice through external modem
- Configuration with setup program
- UL approval

Part number	Input	Output	Power supply	Math and logic	Price
00458766	Universal x 3	5 x 2 relay (make contacts)	AC 110 to 240 V +10/-15% 48 to 63Hz	Math and Logic module formula 1-8	$3,204.82

PC Interface cable	Interface	Price
00301315	PC interface with converter RS232/TTL	$124.05
00456352	PC interface with converter USB/TTL	$218.67

JUMO safetyM STB/STW Ex

Safety Temperature Limiter/Monitor According to DIN EN 14597 and ATEX Approval (701150)

Features

- Ignition source monitoring according to EN 13463 IPL 2
- Temperature monitoring unit for monitoring potential ignition sources according to EN 50495 SIL 2
- Minimum pressure monitoring SIL 2
- Ignition protection type [Ex ia] with intrinsically safe inputs or [Ex e] with increased safety
- 1oo2D structure for a high degree of process reliability
- Security-related limit value relay (230 V, 3 A)
- Pre-alarm absolute or adjustable as a margin from the limit value
- Voltage supply range AC 110 to 240 V +10 %/-15 % or AC/DC 20 to 30 V
- Can be configured as safety temperature limiter (STB) or safety temperature monitor (STW)
- Approvals for DIN EN 14597, SIL, PL, ATEX, IECEx, PED
- Optional approval: DNVGL

Part number	Basic type	Input	Output	Power supply	Price
00548736	Safety temperature limiter	2x Pt100 3-wire	4..20mA analog	AC 110..240V +10/-15%,48..63Hz	$739.42
00548737	Safety temperature limiter	2x Pt100 3-wire	4..20mA analog	AC/DC 20..30V,48..63Hz	$739.42

PC Interface cable	Interface	Price
00548742	Setup JUMO STB/STW 701150/55 Download 257.exe (30 days Test Version) (73.5 MB)	$85.14

JUMO safetyM TB / TW

Temperature limiter and temperature monitor (701160)

Features

- Design width 22.5 mm
- For installation on 35 mm DIN rail
- Approval according to DIN EN 14597, cULus
- Universal measuring input (including standard signal)
- 2 × Pt100 for differential measurement
- Alphanumeric LCD display
- Configurable limiter or monitor
- Temperature monitoring up to 4523 °F (2495 °C)
- Pre-alarm absolute or as a margin from the limit value
- Internal and external unlocking possible
- Configuration with setup program
- UL approval

Part number	Basic type	Input	Power supply	Price
00506382	Temperature limiter (inverse)	Pt 100 (3-wire)	AC 110 to 240V +10 / -15 %, 48 to 63Hz	$486.37

PC Interface cable	Interface	Price
00301315	PC interface with converter RS232/TTL	$124.05
00456352	PC interface with converter USB/TTL	$218.67

13

JUMO LOGOSCREEN 601

Paperless Recorder with Touchscreen (706521)

Features

- 144 × 144 mm format
- 14.5 cm (5.7") TFT color graphics screen (640 × 480 pixel)
- 3 or 6 universal measurement inputs (optional)
- Up to 24 digital inputs (optional)
- 12 digital inputs and outputs (optional)
- 24 external digital and analog inputs via interface
- Up to 2 analog outputs
- Up to 6 customer-specific process screens
- Intuitive touch operation
- PROFINET IO device interface (extra code)
- Integrated web server for online visualization same as on device
- Batch report recording
- Limit value monitoring function (24 channels)
- Flow measurement (2 channels, optional)
- 2 counter inputs (up to 12.5 kHz, optional)

Part number	Type	Power supply	Option 1	Option 2	Option 3	Price
00727738	With Software-Paket	AC 110..240V +10/-15%,48..63Hz	3 analog, 6 digital inp., 1 analog outp.	3 analog, 6 digital inp., 1 analog outp.	Not used	Price on request

JUMO LOGOSCREEN 700

Highly-Scalable Paperless Recorder (706530)

Features

- Intuitive touch operation
- Up to 3 analog outputs
- Up to 10 customer-specific process screens
- PROFINET IO device interface (extra code)
- Integrated web server for online visualization same as on device
- Recording of up to 5 batch reports
- Up to 500 individual texts
- Limit value monitoring function (120 channels)
- Flow measurement (up to 8 channels)
- Up to 8 counter inputs (max. 12.5 kHz)
- User-specific application using structured text (ST code; extra code)
- Automatic data readout via PCA Communication Software PCC
- Data recording compliant with FDA 21 CFR Part 11 (extra code)
- Manipulation detection with digital certificate (extra code)
- AMS2750/CQI-9 (extra code)

Part number	Type	Power supply	Option 1	Option 2	Option 3	Price
00725552	1x Ethernet, 2x USB (1x RS232/485 interface	AC 110..240V +10/-15%,48..63Hz	Analog: 6 analog inputs	Analog: 6 analog inputs	Not used	Price on request

JUMO MIDAS Series

Pressure transmitters – universal application (401001)

Features

- Measuring range up to 0 to 1000 psi relative
- Elastomer sealed
- Compact design
- High chemical resistance
- Membrane withstands high mechanical load

Part number	Range	Output	Process connection	Material	Power supply	Seal	Price
43011693	0 to 25 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35
43008814	0 to 50 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35
43006736	0 to 100 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35
43008815	0 to 150 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35
43008816	0 to 200 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35
43008817	0 to 300 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35
43008818	0 to 500 psi relative	4 to 20mA (2-wire)	1/4 – 18 NPT to EN 837	CrNi (Stainless steel)	DC 10 to 30V	FPM	$250.35

JUMO dTRANS p20

Process pressure transmitter with display (403025)

Features

- HART® interface
- Optional explosion protection Ex ia according to ATEX, INMETRO, GOST-R
- Linearity: 0.05 %
- Turn down: 1:50
- Simple operation with rotary knob
- Stainless steel housing
- Setup program
- LCD display with bar graph
- Display scaling with a choice of measuring units
- Display of sensor temperature
- Display of minimum and maximum pressures

Part number	Range	Output	Process connection	Material	Power supply	Price
00560711	0 to 4 bar absolute	4 to 20mA (2-wire)	1/2 – 14 NPT	CrNi (stainless steel)	DC 11.5 to 36V	$1,051.21

JUMO MIDAS C08
OEM basic pressure transmitter (401002)

Features

- Measuring range: 0 to 10 bar relative
- Elastomer sealed
- Compact design
- Long-term stability: < 0.2 %
- New level of quality for the OEM sector
- 60 % quicker device installation with the QUICKON quick-clamp technology
- Temperature compensation range increased by 50 % to -4 to 212 °F (-20 to 100 °C)
- 2.5 times more vibration resistance than the industry standard

Part number	Range	Output	Process connection	Power supply	Material	Seal	Price
00546121	0 bar to 10 bar relative	4 to 20mA (2-wire)	G 1/4 DIN EN 837	DC 8 to 30V	CrNi (Stainless steel)	FPM	$225.91

JUMO MIDAS S05
OEM universal pressure transmitter (401010)

Features

- Successor model to MIDAS SI (type 401006)
- Measuring range: 0 to 2.5 bar relative pressure
- Silicon sensor with stainless steel separating diaphragm
- Welded measuring system
- Compact design

Part number	Range	Output	Process connection	Power supply	Material	Price
43012486	0 to 2.5 bar relative pressure	4 to 20mA (2-wire)	G 1/4 DIN EN 837	DC 10 to 30V	CrNi (Stainless steel)	$285.13

JUMO MIDAS DP10
OEM differential pressure transmitter (401050)

Features

- Measuring range: 0 to 600 mbar relative
- Silicon sensor with stainless steel separating diaphragm
- Medium: gaseous, liquid, or low-aggression
- Version with elastomer seal, optional welding
- Compact design
- Parts in contact with media: PBT plastic, option with full stainless steel
- Overload pressure up to 30 bar on one side

Part number	Range	Output	Process connection	Power supply	Material	Seal	Price
43011497	0 to 600 mbar relative	4 to 20mA (2-wire)	2 x G 1/8 DIN EN 837	DC 10 to 30V	PBT	FPM	$416.40

JUMO dTRANS pH 02 – Compact Multichannel Transmitter/Controller
for pH, redox, ammonia, standard signals, and temperature (202551)

Features

- Display visualization options: large numbers, bar graph or trend display
- Integrated calibration routines: 1, 2, and 3 points
- Math and logic module
- Calibration logbook
- Integrated washing timer to control the cleaning equipment
- 12 integrated user languages
- Setup program features convenient programming and system documentation
- RS422/RS485 interface (option)
- PROFIBUS-DP interface (option)
- Data logger with real-time clock (option)
- Electrode monitoring can be activated
- UL approval

Part number	Format	Input	Output	Power supply	Price
00579766	96 x 48 mm	2 x binary 1 x analog (compensation) 1 x main (pH, redox, ammonia)	2 relays 1 analog output	AC 110 to 240V +10/-15%, 48 to 63 Hz	$951.88

PC Interface cable	Interface				Price
00301315	PC interface with converter RS232/TTL				$124.05
00456352	PC interface with converter USB/TTL				$218.67

JUMO BlackLine CR-EC
Conductive 2-electrode conductivity sensor (202922)

Features

- Inexpensive, compact design with integrated Pt 100
- Can be screwed into pipelines with small nominal width
- Designed as coaxial measuring cell
- Can be used up to approximately 1000 µS/cm

Part number	Cell constant	Measuring insert	Process connection	Electrode material	Fitting length	Electrical connection	Connection cable length	Price
00441398	K = 0.10	1 x Pt100 (2-wire)	1/2 - 14 NPT	CrNi (stainless steel)	40 mm	Fixed cable	5000 mm	$189.75

JUMO ecoTRANS Lf 03 – Transmitter/Switching Device

for conductivity or resistivity and temperature (202732)

Features

- Displayed units µS/cm, mS/cm, kOhm x cm, MOhm x cm, µmho/cm, mmho/cm
- Two current value outputs for conductivity and process temperature
- Switching output
- USP switching function as per USP<645>
- Selectable temperature compensation natural water EN 27 888, ASTM D 1125-95, linear
- 3-way isolation (input, output and voltage supply are electrically isolated from each other)
- DIN rail mounting
- Calibration timer
- Delivery including calibration certificate

Part number	Input	Output	Power supply	Price
00441865	2 x analog output, 1 x relay	2 x analog	DC 20 to 30 V	$633.73

PC Interface cable	Interface	Price
00301315	PC interface with converter RS232/TTL	$124.05
00456352	PC interface with converter USB/TTL	$218.67

JUMO Ammonia Sensitive Sensor (201040)

Features

- For monitoring ammonia leakage in refrigerating plants
- Special PTFE membrane
- Easy membrane replacement

Part number	Connector	Fitting length	Price
00440655	Screw cap Pg 13.5	120 mm	$598.99

JUMO tecLine Cl2

Sensor for free chlorine (202630)

Features

- Membrane-covered, amperometric measuring cell with integrated temperature compensation for continuous measurement of a suitable flow-through fitting
- Two electrode principle
- Easy calibration
- Integrated temperature compensation
- Proven measuring system
- Used for drinking water disinfection
- Used for swimming pool disinfection

Part number	Measuring range	Approx. pH range	Temperature range	Pressure range	Output	Power supply	Flow velocity	Flow rate	Accuracy	Material	Price
00401586	0 to 5 mg/L	± 5.5 to 8.0	> 32 to 113 °F > 0 to 45 °C	up to 1 bar	4 to 20mA (2-wire)	12 to 30V DC	± 15 cm/s	± 30 l/h	± 2 %	PVC	$1,675.10

JUMO digiLine

Intelligent Electronics with Digital Interface or Analog Output for pH/ORP/T (202705)

Features

- High quality industrial electrodes
- Process and industrial applications
- Pressure resistant up to 10 bar
- Additional temperature probe can be integrated
- Different fitting lengths

Part number	Type	Elec. connect. input	Output	Price
00652283	digiLine pH value	N cable socket	RS-485 Modbus	$427.15
00652284	digiLine pH value	N cable socket	Current value output, free config.	$497.06
00646871	digiLine hub			$238.40

JUMO ecoLine / JUMO BlackLine pH

Combination electrodes (201005/201010)

Features

- High quality measuring probes
- Good value for money
- Variable fitting lengths

Part number	Active component	Connector	Fitting length	Cable length	Price
00417300	UW glass (pH 0 to 12, 23 to 176 °F (0 to 80 °C))	BNC connector	120 mm	2 m	$160.78

JUMO tecLine pH

Combination electrodes (201020)

Features

- High quality industrial electrodes
- Process and industrial applications
- Pressure resistant up to 10 bar
- Additional temperature probe can be integrated
- Different fitting lengths

Part number	Active component	Connector	Fitting length	Diaphragm	Price
00304030	HT glass (pH 0 to 14, 23 to 275 °F (-5 to 135 °C))	Screw cap Pg 13.5	120 mm	1 x zirconium	$221.11

JUMO tecLine TC
Sensor for total chlorine (202631)

Features

- Membrane-covered, amperometric measuring cell with integrated temperature compensation for continuous measurement of a suitable flow-through fitting
- Three electrode principle
- Easy calibration
- Integrated temperature compensation
- Proven measuring system
- Used for drinking water disinfection
- Used for swimming pool disinfection

Part number	Measuring range	Approx. pH range	Temperature range	Pressure range	Output	Power supply	Flow velocity	Flow rate	Accuracy	Material	Price
00584808	0 to 5 mg/L	± pH 5.5 to 8.0	> 32 to 113 °F > 0 to 45 °C	up to 1 bar	4 to 20mA (2-wire)	12 to 30V DC	± 15 cm/s	± 3 l/h	± 2 %	PVC	$1,892.56

JUMO tecLine H2O2 and PAA
Sensor for hydrogen peroxide and peracetic acid (202636)

Features

- Membrane-covered, amperometric measuring cell with integrated temperature compensation for continuous measurement of hydrogen peroxide in a suitable flow-through fitting
- Detection of peracetic acid or hydrogen peroxide concentration in the mg range
- The membrane is impervious to chemicals and surfactants
- Two electrode principle
- Easy calibration
- Integrated temperature compensation
- Proven measuring system

Part number	Measuring range	Temperature range	Pressure range	Output	Power supply	Flow velocity	Flow rate	Accuracy	Material	Price
00409343	0 to 10000 mg/L	> 32 to 113 °F > 0 to 45 °C	up to 1 bar	4 to 20mA (2-wire)	12 to 30V DC	± 15 cm/s	± 30 l/h	± 2 %	PVC	$1,876.81

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