2019 Stock Catalog USA
In stock and ready to ship
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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 2019.

You can view and download our terms and conditions online:
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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Operating temperature</th>
<th>Measuring insert</th>
<th>Diameter</th>
<th>Fitting length</th>
<th>Cable length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00445812</td>
<td>-328 to 2192 °F (-200 to 1200 °C)</td>
<td>1 x NiCr-Ni “K”</td>
<td>1.5 mm</td>
<td>190 mm</td>
<td>3000 mm</td>
<td>$70.24</td>
</tr>
</tbody>
</table>

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

**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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Class</th>
<th>Operating temperature</th>
<th>Measuring insert</th>
<th>Diameter</th>
<th>Fitting length</th>
<th>Process connection</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00329928</td>
<td>B</td>
<td>-58 to 752 °F (-50 to 400 °C)</td>
<td>2 x Pt 100 (2-wire)</td>
<td>9 mm</td>
<td>100 mm</td>
<td>Thread G 1/2</td>
<td>$209.35</td>
</tr>
<tr>
<td>00439161</td>
<td>B</td>
<td>-58 to 752 °F (-50 to 400 °C)</td>
<td>1 x Pt 100 (3-wire)</td>
<td>9 mm</td>
<td>160 mm</td>
<td>Thread 1/2-14 NPT</td>
<td>$194.23</td>
</tr>
</tbody>
</table>

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

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

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

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Model</th>
<th>Operating temperature</th>
<th>Measuring insert</th>
<th>Diameter</th>
<th>Fitting length</th>
<th>Cable end</th>
<th>Cable length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00389771</td>
<td>Push-in RTD with connecting cable, one piece protection tube in SS</td>
<td>-58 to 356 °F (-50 to 180 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>6 mm</td>
<td>50 mm</td>
<td>Ferrules</td>
<td>2500 mm</td>
<td>$49.42</td>
</tr>
<tr>
<td>00589437</td>
<td>Push-in RTD with connecting cable, multi-part protection tube (welded) in SS</td>
<td>-58 to 356 °F (-50 to 180 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>6.4 mm</td>
<td>152.4 mm</td>
<td>Ferrules</td>
<td>2500 mm</td>
<td>$65.93</td>
</tr>
<tr>
<td>00589459</td>
<td>Push-in RTD with connecting cable, one piece protection tube in SS</td>
<td>-58 to 356 °F (-50 to 180 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>6 mm</td>
<td>50 mm</td>
<td>Tin plated cable ends</td>
<td>2000 mm</td>
<td>$45.84</td>
</tr>
<tr>
<td>00589505</td>
<td>Push-in RTD with connecting cable, multi-part protection tube (welded) in SS</td>
<td>-58 to 356 °F (-50 to 180 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>6.4 mm</td>
<td>51 mm</td>
<td>Bare cable ends</td>
<td>2000 mm</td>
<td>$55.11</td>
</tr>
<tr>
<td>00642527</td>
<td>Push-in RTD with connecting cable</td>
<td>-58 to 500 °F (-50 to 260 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>4.8 mm</td>
<td>76 mm</td>
<td>Contact pin 6.3</td>
<td>1000 mm</td>
<td>$89.24</td>
</tr>
</tbody>
</table>

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

Features
• Flexible sheath 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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Operating temperature</th>
<th>Measuring insert</th>
<th>Diameter</th>
<th>Fitting length</th>
<th>Cable length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00055763</td>
<td>-58° to 1112 °F (-50 to 600 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>3 mm</td>
<td>300 mm</td>
<td>2500 mm</td>
<td>$118.38</td>
</tr>
<tr>
<td>00068243</td>
<td>-58° to 1112 °F (-50 to 600 °C)</td>
<td>1 x Pt 100 2-wire</td>
<td>3 mm</td>
<td>100 mm</td>
<td>2500 mm</td>
<td>$113.14</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Model Description</th>
<th>Operating temperature</th>
<th>Measuring insert</th>
<th>Diameter</th>
<th>Fitting length</th>
<th>Insertion tip</th>
<th>Cable length</th>
<th>Connecting cable specs</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00083792</td>
<td>RTD insertion temperature probe with PPS plastic handle Ø 20 mm and PTFE cable</td>
<td>-58 to 392 °F, -50 to 200 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>100 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm</td>
<td>$262.95</td>
<td></td>
</tr>
<tr>
<td>00089569</td>
<td>RTD insertion temperature probe with PPS plastic handle Ø 20 mm and PTFE cable</td>
<td>-58 to 392 °F, -50 to 200 °C</td>
<td>2 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>100 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm</td>
<td>$293.78</td>
<td></td>
</tr>
<tr>
<td>00325266</td>
<td>RTD insertion temperature probe with PTFE handle Ø 15 mm and PTFE cable</td>
<td>-58 to 500 °F, -50 to 260 °C</td>
<td>2 x Pt 100 3-wire</td>
<td>4.5 mm</td>
<td>100 mm</td>
<td>Bevel, angle 45°</td>
<td>4000 mm</td>
<td>$385.77</td>
<td></td>
</tr>
<tr>
<td>00328395</td>
<td>RTD insertion temperature probe with PTFE handle Ø 15 mm and PTFE cable</td>
<td>-58 to 500 °F, -50 to 260 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>150 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm Shielded</td>
<td>$344.94</td>
<td></td>
</tr>
<tr>
<td>00333089</td>
<td>RTD insertion temperature probe with PTFE handle Ø 15 mm and PTFE cable</td>
<td>-58 to 500 °F, -50 to 260 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>100 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm</td>
<td>$357.56</td>
<td></td>
</tr>
<tr>
<td>00338153</td>
<td>RTD insertion temperature probe with silicone handle Ø 10 mm and silicone cable</td>
<td>-58 to 392 °F, -50 to 200 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>100 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm Shielded</td>
<td>$186.54</td>
<td></td>
</tr>
<tr>
<td>00369207</td>
<td>Miniature RTD insertion temperature probe with FPM handle Ø 6.5 mm and shielded PTFE cable</td>
<td>-58 to 392 °F, -50 to 200 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>Ø 4 mm stepped down to Ø 2.5 mm</td>
<td>80 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm Shielded</td>
<td>$214.15</td>
<td></td>
</tr>
<tr>
<td>00412785</td>
<td>RTD insertion temperature probe with PPS plastic handle Ø 20 mm and PTFE cable</td>
<td>-58 to 392 °F, -50 to 200 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>150 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm</td>
<td>$265.57</td>
<td></td>
</tr>
<tr>
<td>00475199</td>
<td>RTD insertion temperature probe with silicone handle Ø 10 mm and PTFE cable</td>
<td>-58 to 392 °F, -50 to 200 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4.5 mm</td>
<td>150 mm</td>
<td>Centric, angle 25°</td>
<td>8000 mm Shielded</td>
<td>$285.57</td>
<td></td>
</tr>
<tr>
<td>00523228</td>
<td>RTD insertion temperature probe with PEEK handle and PTFE cable</td>
<td>-58 to 500 °F, -50 to 260 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>4 mm</td>
<td>100 mm</td>
<td>Bevel, angle 25°</td>
<td>4000 mm</td>
<td>$244.22</td>
<td></td>
</tr>
<tr>
<td>00585550</td>
<td>RTD insertion temperature probe with PEEK handle and PTFE cable</td>
<td>-58 to 500 °F, -50 to 260 °C</td>
<td>1 x Pt 100 3-wire</td>
<td>Ø 4 mm stepped down to Ø 2.5 mm</td>
<td>100 mm</td>
<td>Centric, angle 25°</td>
<td>4000 mm</td>
<td>$259.74</td>
<td></td>
</tr>
</tbody>
</table>

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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

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

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Operating temperature</th>
<th>Measuring insert</th>
<th>Diameter</th>
<th>Class</th>
<th>Fitting length</th>
<th>Cable length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00374486</td>
<td>-58 to 302 °F (-50 to 150 °C)</td>
<td>2 x Pt 100 (3-wire)</td>
<td>6 mm</td>
<td>A</td>
<td>200 mm</td>
<td>5000 mm</td>
<td>$168.47</td>
</tr>
<tr>
<td>00446561</td>
<td>-58 to 302 °F (-50 to 150 °C)</td>
<td>1 x Pt 100 (3-wire)</td>
<td>6 mm</td>
<td>A</td>
<td>200 mm</td>
<td>5000 mm</td>
<td>$155.71</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Basic type</th>
<th>Range</th>
<th>Capillary length</th>
<th>Switching differential</th>
<th>Probe diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>60000211</td>
<td>EM-5</td>
<td>122 to 572 °F [50 to 300 °C]</td>
<td>1000 mm</td>
<td>2.5 %</td>
<td>6 mm</td>
<td>$200.82</td>
</tr>
<tr>
<td>60000494</td>
<td>EM-1</td>
<td>32 to 212 °F [0 to 100 °C]</td>
<td>1000 mm</td>
<td>2.5 %</td>
<td>6 mm</td>
<td>$162.21</td>
</tr>
<tr>
<td>60000495</td>
<td>EM-1</td>
<td>122 to 572 °F [50 to 300 °C]</td>
<td>1000 mm</td>
<td>2.5 %</td>
<td>6 mm</td>
<td>$198.03</td>
</tr>
<tr>
<td>60000923</td>
<td>EM-1</td>
<td>122 to 572 °F [50 to 300 °C]</td>
<td>2000 mm</td>
<td>2.5 %</td>
<td>6 mm</td>
<td>$198.32</td>
</tr>
<tr>
<td>60000924</td>
<td>EM-5</td>
<td>32 to 302 °F [0 to 150 °C]</td>
<td>1000 mm</td>
<td>2.5 %</td>
<td>6 mm</td>
<td>$175.00</td>
</tr>
<tr>
<td>60002717</td>
<td>EM-1</td>
<td>32 to 212 °F [0 to 100 °C]</td>
<td>1000 mm</td>
<td>2.5 %</td>
<td>8 mm</td>
<td>$162.21</td>
</tr>
</tbody>
</table>
JUMO dTRANS T03
2-wire / 3-wire transmitter (707030)

Features
- Designs for B head or DIN rail installation
- PT100 (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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input</th>
<th>Output</th>
<th>Range</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00394779</td>
<td>1 x Pt 100 (3-wire)</td>
<td>4 to 20 mA (2-wire)</td>
<td>32 to 212 °F (0 to 100 °C)</td>
<td>$81.56</td>
</tr>
<tr>
<td>00438518</td>
<td>1 x Pt 100 (3-wire)</td>
<td>0 to 10V (3-wire)</td>
<td>32 to 212 °F (0 to 100 °C)</td>
<td>$166.03</td>
</tr>
</tbody>
</table>

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

JUMO dTRANS T05
Programmable 2-wire transmitter (707050)

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input</th>
<th>Output</th>
<th>Range</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00582219</td>
<td>1 x Pt 100 (3-wire)</td>
<td>4 to 20 mA analog</td>
<td>32 to 212 °F (0 to 100 °C)</td>
<td>$145.42</td>
</tr>
</tbody>
</table>

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 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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>I/O Module</th>
<th>Relay module</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00491826</td>
<td>171 x 315</td>
<td>4 analog/5 logic inputs, 2 analog outputs</td>
<td>10 relay outputs (8 make, 2 changeover) x 2</td>
<td>AC 110 to 240 V</td>
<td>$7,699.13</td>
</tr>
</tbody>
</table>

PC Interface cable
- Interface

<table>
<thead>
<tr>
<th>Part number</th>
<th>Interface</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td>$218.67</td>
</tr>
</tbody>
</table>

JUMO eTRON M
Electronic microstat (701060)

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
- Configuration with setup program
- UL approval

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00442685</td>
<td>76 x 36 mm</td>
<td>Pt 100 [2-wire]</td>
<td>Pt 1000 [2-wire]</td>
<td>KTY2X-6</td>
<td>Relay [changeover 10A/250V]</td>
</tr>
<tr>
<td>00463300</td>
<td>76 x 36 mm</td>
<td>Pt 100 [2-wire]</td>
<td>Pt 1000 [2-wire]</td>
<td>KTY2X-6</td>
<td>2 relays [make 5A/250V]</td>
</tr>
<tr>
<td>00479733</td>
<td>76 x 36 mm</td>
<td>Fe-CuNi “J”</td>
<td>Fe-CuNi “L”</td>
<td>Fe-CuNi “K”</td>
<td>2 relays [make 5A/250V]</td>
</tr>
<tr>
<td>00480749</td>
<td>76 x 36 mm</td>
<td>Fe-CuNi “J”</td>
<td>Fe-CuNi “L”</td>
<td>Fe-CuNi “K”</td>
<td>2 relays [make 5A/250V]</td>
</tr>
</tbody>
</table>

PC Interface cable
- Interface

<table>
<thead>
<tr>
<th>Part number</th>
<th>Interface</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td>$218.67</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Basic type</th>
<th>Input</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00506382</td>
<td>Temperature limiter (inverse)</td>
<td>Pt 100 (3-wire)</td>
<td>AC 110 to 240V +10/-15 %, 48 to 63Hz</td>
<td>$459.30</td>
</tr>
</tbody>
</table>

JUMO Quantrl
Universal PID controller (702030)

Features

- 48 x 48 mm, 96 x 96 mm formats
- 2-state/3-state, continuous controller
- Sensor monitoring
- Up to 5 outputs
- Auto tuning for exact PID control
- Configurable limit value monitoring (alarms)
- Set point changeover
- Level inhibit and key lock
- RS485 interface (Modbus RTU)
- Ramp and timer function
- Firing curve for pottery kilns
- Setup interface (USB Mini-B)
- UL approval

<table>
<thead>
<tr>
<th>Part number</th>
<th>Dimensions</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00599639</td>
<td>48 x 48 x 95 mm</td>
<td>1 x analog (universal)</td>
<td>1 x relay (N/O contact)</td>
<td>AC 110 to 240V +10/-15 %, 48 to 63Hz</td>
<td>$210.33</td>
</tr>
<tr>
<td>00601600</td>
<td>96 x 96 x 80 mm</td>
<td>1 x analog (universal)</td>
<td>1 x relay (N/O contact)</td>
<td>AC 110 to 240V +10/-15 %, 48 to 63Hz</td>
<td>$263.68</td>
</tr>
</tbody>
</table>

PC Interface cable

<table>
<thead>
<tr>
<th>Part number</th>
<th>Dimensions</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td></td>
<td></td>
<td></td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td></td>
<td></td>
<td></td>
<td>$218.67</td>
</tr>
</tbody>
</table>
JUMO iTRON
Compact controller (702040)

Features
- 48 x 24 mm, 96 x 96 mm formats in stock
- Universal measuring input
- One binary input
- Two or three switching outputs
- 2-state/3-state controller
- One limit value is monitored
- Timer and ramp function
- Self-optimization
- Configurable via keypad or setup program

Applications
- Control of temperatures, pressures, and other process variables
- UL/CSA approvals

<table>
<thead>
<tr>
<th>Part number</th>
<th>Model</th>
<th>Dimensions</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Timer</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00382105</td>
<td>iTRON 32</td>
<td>48 x 24 mm</td>
<td>Pt 100 (3-wire)</td>
<td>1 x relay, 1 x logic</td>
<td>AC 110 to 240 V +10/-15% 48 to 63Hz</td>
<td>Timer function</td>
<td>$262.27</td>
</tr>
<tr>
<td>00450494</td>
<td>iTRON 04</td>
<td>96 x 96 mm</td>
<td>Pt100 (3-wire)</td>
<td>2 x relay, 1 x logic</td>
<td>AC 110 to 240V +10/-15% 48 to 63Hz</td>
<td>Timer/limiter function</td>
<td>$404.69</td>
</tr>
</tbody>
</table>

JUMO iTRON DR 100
Compact controller (702060)

Features
- Design width 22.5mm
- Installation on a 35 mm top hat rail
- 2-line LCD display
- Universal measuring input
- One binary input
- Two or three switching outputs
- 2-state/3-state controller
- One limit value monitor
- Timer and ramp function
- Self-optimizing
- Can be configured through keyboard or setup program
- UL approval

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00434642</td>
<td>Pt 100 (3-wire)</td>
<td>1 x relay (changeover)</td>
<td>AC 110 to 240V +10/-15% 48 to 63Hz</td>
<td>$344.62</td>
</tr>
</tbody>
</table>
JUMO cTRON
Compact controller (702070)

Features
- Universal measuring input
- One binary input
- Up to four switching outputs, one analog output
- Modbus RS 485 interface
- 2-state/3-state controller, modulating and continuous controller
- Timer and ramp function
- 2 limit value monitoring functions
- Self-optimization
- Configuration through keyboard or setup program
- UL approval

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00491718</td>
<td>48 x 48 mm</td>
<td>2 binary, 1 analog</td>
<td>2 relay (N/O make), logic 0/14V</td>
<td>AC 110 to 240V +10/-15 % 48 to 63 Hz</td>
<td>$238.60</td>
</tr>
</tbody>
</table>

PC Interface cable

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td></td>
<td></td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td></td>
<td></td>
<td>$218.67</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00441973</td>
<td>48 x 48 mm</td>
<td>2 relay, 2 x logic-in/output 0/12V</td>
<td>1 x analog</td>
<td>AC/DC 110 to 240V +10/-15 %, 48 to 63 Hz</td>
<td>$423.46</td>
</tr>
<tr>
<td>00441999</td>
<td>48 x 48 mm</td>
<td>2 relay, 2 x logic-in/output 0/12V</td>
<td>1 x analog</td>
<td>AC/DC 110 to 240V +10/-15 %, 48 to 63 Hz</td>
<td>$483.45</td>
</tr>
<tr>
<td>00442004</td>
<td>48 x 96 mm</td>
<td>2 relay, 2 x logic-in/output 0/12V</td>
<td>1 x analog</td>
<td>AC/DC 110 to 240V +10/-15 %, 48 to 63 Hz</td>
<td>$517.44</td>
</tr>
<tr>
<td>00442005</td>
<td>96 x 48 mm</td>
<td>2 relay, 2 x logic-in/output 0/12V</td>
<td>1 x analog</td>
<td>AC/DC 110 to 240V +10/-15 %, 48 to 63 Hz</td>
<td>$457.45</td>
</tr>
<tr>
<td>00442007</td>
<td>96 x 96 mm</td>
<td>2 relay, 2 x logic-in/output 0/12V</td>
<td>1 x analog</td>
<td>AC/DC 110 to 240V +10/-15 %, 48 to 63 Hz</td>
<td>$461.84</td>
</tr>
<tr>
<td>00475571</td>
<td>96 x 96 mm</td>
<td>2 relay, 2 x logic-in/output 0/12V</td>
<td>1 x analog</td>
<td>AC/DC 20 to 30V 48 to 63Hz</td>
<td>$461.84</td>
</tr>
</tbody>
</table>

PC Interface cable

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td></td>
<td></td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td></td>
<td></td>
<td>$218.67</td>
</tr>
</tbody>
</table>

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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
- 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

Applications
Control of temperatures, pressures, and other process variables according to set point value profiles. For example:

• Climate chambers
• Extruders
• Annealing furnaces
• Hardening furnaces
• Autoclaves
• Cooking chambers
• Industrial furnaces and industrial heating plants
• Tempering equipment
• Control cabinet manufacture
• Refrigeration units and components
• Smelters and rolling mills, steel and iron works, nonferrous metals
• Refrigeration driers
• Air conditioning equipment and humidifier manufacturers
• Special machinery manufacture
• Laboratory ovens/furnaces
• Manufacturers of visualization systems

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Math and logic</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00458766</td>
<td>Universal x 3</td>
<td>5 x 2 relay (make contacts)</td>
<td>AC 110 to 240 V ±10% 48 to 63Hz</td>
<td>Math and Logic module formula 1-8</td>
<td>$3,126.65</td>
</tr>
<tr>
<td>PC Interface cable</td>
<td>Interface</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td></td>
<td></td>
<td></td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td></td>
<td></td>
<td></td>
<td>$218.67</td>
</tr>
</tbody>
</table>
JUMO LOGOSCREEN nt
Paperless recorder with TFT display, Ethernet, and USB interface (706581)

Features
- 144 × 144 mm format
- 5.5” TFT color graphics screen
- Rotary knob and touch pad operation
- 6 analog inputs
- External expansion with 54 channels via interface
- 125 ms memory cycle for 18 analog inputs
- Measured data storage on Compact Flash® card and USB memory stick
- Presentation of measured values on various diagrams and process screens
- Display of alarms and events
- Batch reporting of up to 3 batches simultaneously
- Batch input also possible using bar code scanner
- Report function with minimum, maximum, and average value recording
- Ethernet interface, PROFIBUS-DP interface, Modbus master/ slave interface
- Integrated web server with visualization and QuadView
- Two switchable operating languages (Unicode)
- Math and logic function with counter/integrators
- Evaluation of archived data using PC evaluation program
- Configuration of the device using keypad or setup program
- UL approval

Applications
- Paperless recording of analog and digital process data

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00521990</td>
<td>6 analog</td>
<td>AC/DC 24 to 30V, 48 to 63Hz</td>
<td>$3,823.29</td>
</tr>
<tr>
<td>PC Interface cable</td>
<td>Interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>00301315</td>
<td>PC interface with converter RS232/TTL</td>
<td></td>
<td>$124.05</td>
</tr>
<tr>
<td>00456352</td>
<td>PC interface with converter USB/TTL</td>
<td></td>
<td>$218.67</td>
</tr>
</tbody>
</table>
**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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Range</th>
<th>Output</th>
<th>Process connection</th>
<th>Material</th>
<th>Power supply</th>
<th>Seal</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>43011693</td>
<td>0 to 25 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43008814</td>
<td>0 to 50 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43011696</td>
<td>0 to 60 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43006736</td>
<td>0 to 100 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43008815</td>
<td>0 to 150 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43008816</td>
<td>0 to 200 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43010669</td>
<td>0 to 250 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43008817</td>
<td>0 to 300 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43008818</td>
<td>0 to 500 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
<tr>
<td>43008819</td>
<td>0 to 1000 psi relative</td>
<td>4 to 20mA (2-wire)</td>
<td>1/4 – 18 NPT to EN 837</td>
<td>CrNi (Stainless steel)</td>
<td>DC 10 to 30V</td>
<td>FPM</td>
<td>$246.92</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Range</th>
<th>Output</th>
<th>Process connection</th>
<th>Material</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00560711</td>
<td>0 to 4 bar absolute</td>
<td>4 to 20mA (2-wire)</td>
<td>1/2 – 14 NPT</td>
<td>CrNi (Stainless steel)</td>
<td>DC 11.5 to 36V</td>
<td>$1,036.79</td>
</tr>
</tbody>
</table>
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 | $399.70

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JUMO ecoLine / JUMO BlackLine pH
Combination electrodes [201005/201010]

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Active component</th>
<th>Connector</th>
<th>Fitting length</th>
<th>Cable length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00417300</td>
<td>UW glass (pH 0 to 12, 23 to 176 °F (0 to 80 °C))</td>
<td>BNC connector</td>
<td>120 mm</td>
<td>2 m</td>
<td>$150.31</td>
</tr>
<tr>
<td>00417301</td>
<td>Platinum tip for redox (±2000 mV, 14 to 275 °F (-10 to 135 °C))</td>
<td>BNC connector</td>
<td>120 mm</td>
<td>2 m</td>
<td>$174.43</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Active component</th>
<th>Connector</th>
<th>Fitting length</th>
<th>Diaphragm</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00304030</td>
<td>HT glass (pH 0 to 14, 23 to 275 °F (-5 to 135 °C))</td>
<td>Screw cap Pg 13.5</td>
<td>120 mm</td>
<td>1 x zirconium</td>
<td>$206.70</td>
</tr>
</tbody>
</table>

JUMO Ammonia Sensitive Sensor [201040]

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Connector</th>
<th>Fitting length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00440655</td>
<td>Screw cap Pg 13.5</td>
<td>120 mm</td>
<td>$559.94</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Format</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00579766</td>
<td>96 x 48 mm</td>
<td>2 x binary, 1 x analog (compensation), 1 x main (pH, redox, ammonia)</td>
<td>2 relays, 1 analog output</td>
<td>AC 110 to 240V +10/-15%, 48 to 63 Hz</td>
<td>$889.82</td>
</tr>
</tbody>
</table>

PC Interface cable
- Interface with converter RS232/TTL: $124.05
- Interface with converter USB/TTL: $218.67

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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Input</th>
<th>Output</th>
<th>Power supply</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00441865</td>
<td>2 x analog output, 1 x relay</td>
<td>2 x analog</td>
<td>DC 20 to 30 V</td>
<td>$433.73</td>
</tr>
</tbody>
</table>

PC Interface cable
- Interface with converter RS232/TTL: $124.05
- Interface with converter USB/TTL: $218.67
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

<table>
<thead>
<tr>
<th>Part number</th>
<th>Measuring range</th>
<th>Approx. pH range</th>
<th>Temperature range</th>
<th>Pressure range</th>
<th>Output</th>
<th>Power supply</th>
<th>Flow velocity</th>
<th>Flow rate</th>
<th>Accuracy</th>
<th>Material</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00401586</td>
<td>0 to 5 mg/L</td>
<td>± 5.5 to 8.0</td>
<td>&gt; 32 to 113 °F</td>
<td>up to 1 bar</td>
<td>4 to 20mA (2-wire)</td>
<td>12 to 30V DC</td>
<td>± 15 cm/s</td>
<td>± 30 l/h</td>
<td>± 2 %</td>
<td>PVC</td>
<td>$1,565.88</td>
</tr>
</tbody>
</table>

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

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

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

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

www.jumousa.com :: For non-stock or custom variations, please call us at (315) 437-5866 or email info.us@jumo.net
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

Applications
- Drinking and surface water monitoring
- Ion exchangers and reverse osmosis plants
- Air conditioning and refrigeration construction
- Horticultural technology
- Seawater and freshwater aquaristics
- Lightly-polluted industrial rinse and process water
- Ultra-pure water monitoring

<table>
<thead>
<tr>
<th>Part number</th>
<th>Cell constant</th>
<th>Measuring insert</th>
<th>Process connection</th>
<th>Electrode material</th>
<th>Fitting length</th>
<th>Electrical connection</th>
<th>Connection cable length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00441398</td>
<td>K = 0.10</td>
<td>1 x Pt100 (2-wire)</td>
<td>1/2 - 14 NPT</td>
<td>CrNi (stainless steel)</td>
<td>40 mm</td>
<td>Fixed cable</td>
<td>5000 mm</td>
<td>$185.54</td>
</tr>
</tbody>
</table>

JUMO Technical Buffer and Cleaning Solutions  
(202950)

These solutions are used to clean and/or calibrate. For pH buffer solutions, various pH levels are available. The typical accuracy is +/-0.02 pH units. Color-coded bottle caps enable easy differentiation. JUMO buffer solutions are traceable to NIST (National Institute of Standards and Technology). The minimum durability and the batch number are specified on the label.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Type</th>
<th>Filling quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>00301072</td>
<td>Technical buffer solution pH 9.27</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00301073</td>
<td>Redox test solution 468 mV</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00306215</td>
<td>3-molar KCl solution</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00307586</td>
<td>Diaphragm cleaner (thiourea solution)</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00338371</td>
<td>Technical buffer solution pH 7.00</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00344977</td>
<td>Technical buffer solution pH 4.00</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00345027</td>
<td>Technical buffer solution pH 10.00</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
<tr>
<td>00346056</td>
<td>Conductivity calibration solution 1.41 mS/cm</td>
<td>250 mL</td>
<td>$24.82</td>
</tr>
</tbody>
</table>