

## Wall mount RTD probes

**Temperature sensor:**

**Standard:**

Pt100, Class A.  
(Higher grades available).  
Others:  
Pt500, Pt1000, Duplex, etc.

**Probe:**

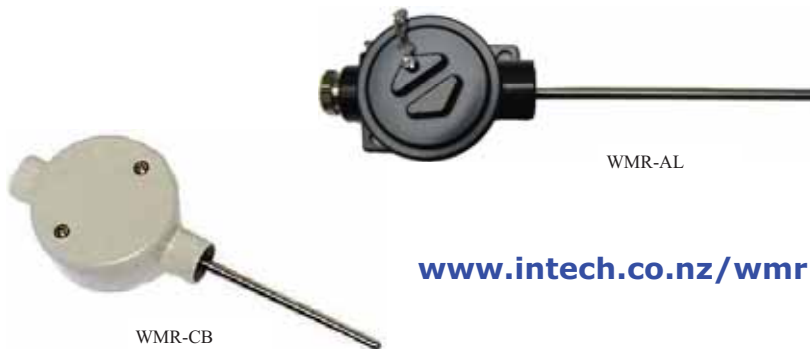
Diameters from 3mm.  
Mineral insulated optional.  
Fast response tip.

**Terminal heads:**

Cast alloy.  
PVC conduit box.

**RTD transmitters:**

A range of in-head transmitters are available.  
Non-Isolated (XU2HN), Add \$98.00  
Isolated (XU2HI), Add \$198.00



[www.intech.co.nz/wmr](http://www.intech.co.nz/wmr)

| Wall mount Pt100 probes. |  |                    |
|--------------------------|--|--------------------|
| Stock probes.            |  | Others by request. |
| CODE                     | DESCRIPTION  | PRICE              |
| WMR-CB                   | Wall mount pvc conduit box probe.<br>Probe: 6.4 x 100mm 316 Stainless steel.<br>Head: PVC.<br>Temp: min/max of probe: -20/80°C.    | \$84.00            |
| WMR-AL                   | Wall mount alloy head probe.<br>Probe: 6.4 x 100mm 316 Stainless steel.<br>Head: Cast alloy.<br>Temp: min/max of probe: -40/110°C. | \$135.00           |

Shockproof screw-in Pt100 sensors enable temperature measurement under pressure in motors, compressors, plant engineering and in ship building. Lloyd Application Category D Characteristic 2. The connection between the protection fitting and the connecting cable incorporates a locking system and has IP65 or IP69K protection rating when assembled.

The measuring insert is normally fitted with a Pt100 temperature sensor.

- ◆ for temperatures from -50 to +300°C
- ◆ highly resistant to shock and vibration
- ◆ connector locked in for reliable contact, IP65 or IP69K protection

## Jumo VIBROtemp.

### Screw-in Pt100 sensors with plug connector.



| MODEL       | DESCRIPTION  | PRICE    |
|-------------|--|----------|
| VIBROtemp-S | Pt100 RTD c/w Silicone Lead.<br>Two threads 1/2" BSP and 1/8"-27 NPT (specify when ordering).<br>Temperature range: -50 to +300°C<br>JUMO Datasheet: 90.2040 | \$175.00 |
| VIBROtemp   | Replacement probe (no cable).<br>Two threads 1/2" BSP and 1/8"-27 NPT (specify when ordering).   | \$127.00 |

[www.intech.co.nz/vibrotemp](http://www.intech.co.nz/vibrotemp)

| Resistance to temperature table for Pt100 elements. |       |      |       |     |        |   |        |     |        |     |        |     |        |
|---|-------|------|-------|-----|--------|---|--------|-----|--------|-----|--------|-----|--------|
| Platinum resistance at 0°C - 100 ohms.              |       |      |       |     |        | Temp coefficient – 0.00385 ohms/ohm/°C. |        |     |        |     |        |     |        |
| °C  | ohms  | °C   | ohms  | °C  | ohms   | °C                                      | ohms   | °C  | ohms   | °C  | ohms   | °C  | ohms   |
| -200  | 18.49 | -100 | 60.25 | 0   | 100.00 | 100                                     | 138.50 | 200 | 175.84 | 300 | 212.02 | 400 | 247.04 |
| -190  | 22.80 | -90  | 64.30 | 10  | 103.90 | 110                                     | 142.29 | 210 | 179.51 | 310 | 215.57 | 410 | 250.48 |
| -180  | 27.08 | -80  | 68.33 | 20  | 107.79 | 120                                     | 146.06 | 220 | 183.17 | 320 | 219.12 | 420 | 253.90 |
| -170  | 31.32 | -70  | 72.33 | 30  | 111.67 | 130                                     | 149.82 | 230 | 186.82 | 330 | 222.65 | 430 | 257.32 |
| -160  | 35.53 | -60  | 76.33 | 40  | 115.54 | 140                                     | 153.58 | 240 | 190.45 | 340 | 226.17 | 440 | 260.72 |
| -150  | 39.71 | -50  | 80.31 | 50  | 119.40 | 150                                     | 157.31 | 250 | 194.07 | 350 | 229.67 | 450 | 264.11 |
| -140  | 43.87 | -40  | 84.27 | 60  | 123.24 | 160                                     | 161.04 | 260 | 197.69 | 360 | 233.17 | 460 | 267.49 |
| -130  | 48.00 | -30  | 88.22 | 70  | 127.07 | 170                                     | 164.76 | 270 | 201.29 | 370 | 236.65 | 470 | 270.86 |
| -120  | 52.11 | -20  | 92.16 | 80  | 130.89 | 180                                     | 168.46 | 280 | 204.88 | 380 | 240.13 | 480 | 274.22 |
| -110  | 56.19 | -10  | 96.09 | 90  | 134.70 | 190                                     | 172.16 | 290 | 208.45 | 390 | 243.59 | 490 | 277.56 |
| -100  | 60.25 | 0    | 100.0 | 100 | 138.50 | 200                                     | 175.84 | 300 | 212.02 | 400 | 247.04 | 500 | 280.90 |

Temperature probe catalogue available on request.

# Digital pH meter



[www.intech.co.nz/202710](http://www.intech.co.nz/202710)

## Jumo pH meter

| MODEL     | DESCRIPTION  | PRICE    |
|-----------|--|----------|
| 202710/20 | <p><b>Hand held digital pH, ORP &amp; temperature meter.</b><br/> <i>Manual and Automatic temperature compensation.</i></p> <ul style="list-style-type: none"> <li>◆ 0 to 14pH Range @ +/- 0.01 Accuracy.</li> <li>◆ Min &amp; Max Memory &amp; 'HOLD' Function.</li> <li>◆ Adjustable Auto Switch Off.</li> <li>◆ Clear 2-line LC Display.</li> <li>◆ Battery Condition Display.</li> <li>◆ IP65 (Front Panel).</li> <li>◆ Input: pH probe, BNC connection.</li> </ul> <p>JUMO Datasheet: 20.2710</p>   | \$798.00 |
| Insertion | <p><b>pH probe.</b><br/> <i>Insertion electrode with silicone handle.</i><br/>                     Insertion tip 6mm diameter.<br/>                     Two ceramic diaphragms.<br/>                     KCI reference electrolyte (free from Ag ions).<br/>                     1m attached cable and BNC plug.</p> <p><b>Applications</b><br/>                     Food industry for insertion measurement in meat, fruit, sausage, cheese, dough and other semi-solid foodstuffs.<br/>                     Measurement in soils.<br/>                     Measurement in small liquid samples.</p>                                | \$415.00 |
| Glass     | <p><b>pH probe.</b><br/> <i>Glass combination electrode with silicone handle.</i><br/>                     Spherical membrane.<br/>                     Ceramic diaphragm.<br/>                     KCI reference electrolyte (free from Ag ions).<br/>                     1m attached cable and BNC plug.</p> <p><b>Applications</b><br/>                     General aqueous media, drinks industry, electroplating, factory laboratory, fish farming, aquarium, chemicals, waste water plants, pharmaceuticals, drinking water.</p>  | \$330.00 |
| Plastic   | <p><b>pH probe.</b><br/> <i>Plastic shaft electrode with silicone handle.</i><br/>                     Spherical membrane with protection basket.<br/>                     Glass fibre diaphragm.<br/>                     KCI reference electrolyte (free from Ag ions).<br/>                     1m attached cable and BNC plug.</p> <p><b>Applications</b><br/>                     Unbreakable plastic shaft with protection basket for heavy duty applications.<br/>                     General aqueous media, drinks industry, electroplating, factory laboratory, fish farming, aquarium, chemicals, waste water plants.</p> | \$330.00 |



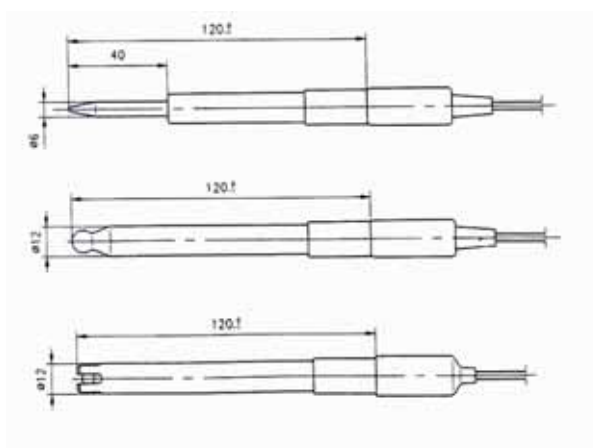
Insertion



Glass combination



Plastic shaft



# JUMO Aquis 500 pH Transmitter / Controller

**NEW** pH Transmitter / Controller



JUMO

**Features:**

- ◆ Graphics display with background lighting.
- ◆ Simple menu guided 3 point calibration.
- ◆ Full PID controller functionality.
- ◆ 2 analogue (4~20mA / 0~10V) outputs.
- ◆ 2 changeover 3A, 250Vac relay outputs.
- ◆ Wall (IP67) and / or surface (IP65) mount (same unit).
- ◆ Power: 12~24 Vdc +/-15% or 110~230 Vac +/-10%.
- ◆ JUMO Datasheet: 20.2560

[www.intech.co.nz/aquis500ph](http://www.intech.co.nz/aquis500ph)



| MODEL               | DESCRIPTION  | PRICE                |
|---------------------|--|----------------------|
| <b>Aquis 500 pH</b> | Panel / Wall Mount Instrument: 161 x 149 x 77mm.<br>◆ Output 1 - Process Value or PID Control 4~20mA.<br>◆ Output 2 - Changeover Relay for limit or PID control. | \$1692.00            |
| <b>Options</b>      | ◆ Output 3 - 2nd process Value or PID Control (4~20mA).<br>◆ Output 4 - 2nd Changeover relay for limit or PID control.   | \$315.00<br>\$178.00 |

JUMO tecLine electrodes are high-quality combination sensors for professional applications in process and industrial measurement technology. A temperature probe can also be integrated as an option, depending on the type.

Suitable versions are available to meet a wide variety of requirements:

- for industrial and communal water and wastewater engineering
- for measurements in suspensions and varnishes

**Other versions available (see data sheet / web link)**

[www.intech.co.nz/tecline](http://www.intech.co.nz/tecline)

- ◆ JUMO Datasheet: 20.1020

JUMO tecLine sensors are state-of-the-art for modern pH and redox electrodes. Each electrode is a quality product and is individually tested as a matter of routine. All standard electrodes are made from FDA-listed materials.

| MODEL                   | DESCRIPTION   | PRICE    |
|-------------------------|---|----------|
| <b>Tecline</b>          | <i>For standard applications.</i><br>Glass shaft, gel-sealed, zirconium dioxide diaphragm, screw cap, 120mm, salt reserve. (JUMO sales article 20/00300151).  | \$408.00 |
| <b>Tecline COAX</b>     | 5m coaxial cable for Tecline pH probe. (JUMO sales article 20/00082673).  | \$130.00 |
| <b>Tecline w/w</b>      | <i>For wastewater, heavily polluted media, suspensions &amp; varnishes.</i><br>Glass shaft, gel-sealed, PTFE diaphragm, Pg 13.5 SMEK screw cap, 120mm, salt reserve, integrated Pt 100. (JUMO sales article 20/00470246). | \$552.00 |
| <b>Tecline w/w COAX</b> | 5m coaxial SMEK universal cable for Tecline w/w pH probe. (JUMO sales article 20/00347843).   | \$380.00 |



Tecline

Tecline w/w

## pH Probe Holders Immersion Fittings

[www.intech.co.nz/phif](http://www.intech.co.nz/phif)

Immersion fittings are used for holding electrochemical sensors.

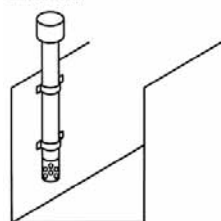
The fittings are mounted in open sluices or containers. They protect the installed sensor from breaking and enable measurement in different immersion depths.

JUMO Datasheet: 20.2820

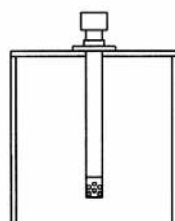
| MODEL          | DESCRIPTION   | PRICES from            |
|----------------|---|------------------------|
| <b>PHIF-40</b> | Polypropylene (FPM seals), 500~2000mm lengths.                  | \$320.00 to \$540.00   |
| <b>PHIF-63</b> | Polypropylene (FPM seals), 500~2000mm lengths. For 1~3 sensors. | \$1125.00 to \$1620.00 |

### Installation options

Standard

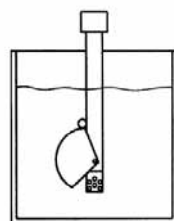


Fixing with pipe clips in the inlet channel

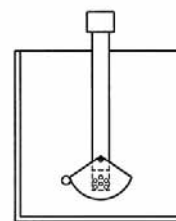


Fixing with a flange on a container

Use of a wetting cup



with the container filled



with empty container (residual liquid in the cup prevents the sensor from running dry)



## Conductivity

### Jumo ecoTRANS Lf 01/02



#### Microprocessor Transmitter / Switching Device for Conductivity.

**Microprocessor Transmitter / Switching Device for Conductivity.**  
 3-way isolation (input, output and supply).  
 DIN rail mounting.  
 1 LED, two colours (red/green), for signalling operating states.  
 Calibration timer.  
 Customized characteristic for temperature probe can be input (e.g. NTC, PTC).  
 Reference temperature is settable.  
 JUMO Datasheet: 20.2731

| MODEL          | DESCRIPTION  | PRICE    |
|----------------|--|----------|
| ecoTRANS Lf 01 | One electrically isolated analogue output 0(4)~20mA / 0(2)~10V.  | \$830.00 |
| ecoTRANS Lf 02 | One relay output.<br>Teach-in function (definition of switching point through the teach-in connector). | \$790.00 |

[www.intech.co.nz/lf01](http://www.intech.co.nz/lf01)



#### Conductivity Cells ecoLine Lf-PVC Electrolytic (202923 Series).

- ◆ 2-electrode principle.
- ◆ proven versions for industrial applications.
- ◆ measuring ranges: 0~1 mS/cm (=0.1) or 0.01~15 mS/cm (=1.0).
- ◆ temperature range up to 55°C, maximum pressure: 6 bar at 20°C.
- ◆ JUMO Datasheet: 20.2923

| MODEL    | DESCRIPTION  | PRICE    |
|----------|--|----------|
| Lf-PVC-g | Range 0.01~15mS/cm, Pt100, 3/4", Din, PVC, graphite. | \$608.00 |
| Lf-PVC-s | Range 0~1.0mS/cm, Pt100, 3/4", Din, PVC, stainless.  | \$589.00 |

[www.intech.co.nz/lf-pvc](http://www.intech.co.nz/lf-pvc)

The JUMO TB/TW is a freely programmable limiter / monitor. The universal measuring input is freely programmable for RTD temperature probes, thermocouples as well as current and voltage signals. TB/TWs are used to monitor thermal processes in the system for a set limit value. If this value is exceeded, the installed relay switches the system to an operational safe status and the LED "K1" changes from green to red. If the system reaches the "Good" range again, the "Reset" key must be unlocked manually with a respective tool for the TB. However, the TW automatically resets without external influence. For an adjustable temperature, the DC 24V/20mA binary output can put out a pre-alarm prior to reaching the limit value additionally displayed by the LED "KV". TB/TW are installed on a top hat rail and wired via screw terminals with a cable cross section of 2.5mm max. A setup program is provided for configuration.

**Applications:**

- Monitoring and limiting temperatures, pressure and other process variables, e.g.
- ◆ Protection of burner control systems.
  - ◆ Monitoring of heating elements.
  - ◆ Protection of thermal oil systems.
  - ◆ Protection of boiler plants.



TB/TW

[www.intech.co.nz/tb-tw](http://www.intech.co.nz/tb-tw)

**Jumo**

**Temperature Limiter/Monitor Device**

| MODEL | DESCRIPTION  | PRICE    |
|-------|--|----------|
| TB/TW | <p><b>Programmable TB/TW Temperature Limiter/Monitor.</b></p> <ul style="list-style-type: none"> <li>• Setup program for configuration and archive data backup.</li> <li>• Clear, easy-to-read alphanumeric display.</li> <li>• Digital input filter with adjustable filter time constant: adjustable as absolute value or relative to limit value.</li> </ul> <p>Input: Pt100/Pt1000/Thermocouple/Volts/mA.<br/>                     Interface: USB, type Mini-B (cable included).<br/>                     Power supply: 230Vac.<br/>                     Protection: IP20.<br/>                     JUMO Datasheet: 70.1160</p> | \$650.00 |

**Features:**

- ◆ Heating or cooling is configurable.
- ◆ Limit monitoring.
- ◆ Available for RTD or Thermocouple input - specify when ordering. (mA or V available on special request).
- ◆ 10A relay (changeover contact).
- ◆ Adjustable switching hysteresis.
- ◆ Simple, space saving installation.
- ◆ Time-delayed switch-on after power-on is selectable, e.g. for staggered starting of several equipment units.
- ◆ 3-digit LC display with special characters for °C and °F.
- ◆ Parameter level protected by code.

**Digital Thermostat**

[www.intech.co.nz/etront](http://www.intech.co.nz/etront)

**Jumo eTRON T**

**Digital Thermostat.**

| MODEL   | DESCRIPTION  | PRICE    |
|---------|--|----------|
| eTRON T | <p><b>Digital thermostat with LCD display.</b></p> <p>Protection: IP20.<br/>                     Operating position: Unrestricted.<br/>                     Temperature: Ambient, 0~55°C.<br/>                     Span: Min span is 10% of range.<br/>                     Ranges: Specify when ordering from the options below:<br/>                     RTD, Pt100 &amp; Pt1000: -200~600°C.<br/>                     Thermocouple, Types K, J, L: -200~999°C.<br/>                     Sampling time: 250 msec.<br/>                     Housing: Polycarbonate.<br/>                     Power Supply: 230Vac or 12~24Vdc (specify when ordering).<br/>                     JUMO Datasheet: 70.1050</p> | \$325.00 |



## Pressure transmitters

JUMO



Midas S05

| Bar     |
|---------|
| -1 / +9 |
| -1 / 24 |
| 0.25 *  |
| 0.4 *   |
| 0.6 *   |
| 1.0     |
| 1.6     |
| 2.5     |
| 4       |
| 6       |
| 10      |
| 16      |
| 25      |
| 40      |
| 60      |

| Bar |
|-----|
| 100 |
| 250 |
| 400 |
| 600 |

| Bar                  |
|----------------------|
| -1 / 0               |
| -1/9                 |
| 0.25                 |
| 0.4                  |
| 0.6                  |
| 1                    |
| 2.5                  |
| 4                    |
| 6                    |
| 10                   |
| 16                   |
| 25                   |
| 40                   |
| 60                   |
| 100                  |
| 160                  |
| 250                  |
| 400                  |
| 600                  |
| 0 - 0.6 bar absolute |
| 0 - 1 bar absolute   |

P30-504



P30-571

| Bar  |
|------|
| 0.25 |
| 0.4  |
| 0.6  |
| 1    |
| 4    |
| 6    |
| 10   |
| 16   |
| 25   |



P30-613

| Bar |
|-----|
| 0.4 |
| 0.6 |
| 1   |



Midas HP

| Bar |
|-----|
| 100 |
| 250 |
| 400 |
| 600 |

## Midas pressure transmitters.

[www.intech.co.nz/midas](http://www.intech.co.nz/midas)

| MODEL             | DESCRIPTION  | PRICE    |
|-------------------|--|----------|
| <b>Midas S05</b>  | <b>Pressure transmitter. 2 wire, loop powered.</b><br>Protection: IP65.<br>Process connection: 1/4" BSP.<br>Wetted parts: Stainless steel.<br>Mounting position: Unrestricted.<br>Temperature: Medium, -30~125°C.<br>Ambient, -20~125°C.<br>Output: 4~20mA. 2 wire, loop powered.<br>U <sub>T</sub> = 10~30Vdc.<br>Load resistance: R <sub>L</sub> = (U <sub>S</sub> -10V) / 0.02A. max.<br>Range: Ranges in gauge pressure:<br>from -1~9 bar to -1~24 bar.<br>and from 0~1.0 bar to 0~60 bar. | \$398.00 |
| <b>* Midas SI</b> | Range: from 0~0.25 bar to 0~0.6 bar.<br>JUMO Datasheet: <b>S05</b> = 40.1010 <b>SI</b> = 40.1006   | \$398.00 |
| <b>Cable</b>      | Angled socket M12 2m cable   | \$55.00  |
| <b>Midas HP</b>   | High pressure version of Midas S05 / SI - as above except:<br>Range: from 0~100 to 0~600 bar.<br>JUMO Datasheet: 40.1005   | \$498.00 |

[www.intech.co.nz/p30](http://www.intech.co.nz/p30)

## dTRANS P30 pressure transmitter.

|  |  |                                   |
|--|--|-----------------------------------|
| <b>P30-504</b><br><b>P30-571</b><br><b>P30-613</b> | <b>Pressure transmitter. 2 wire, loop powered.</b><br>Protection: IP65.<br>Wetted parts: Stainless steel.<br>Mounting position: Unrestricted.<br>Temperature: Medium, -30~120°C.<br>Ambient, -20~100°C.<br>Output: 4~20mA. 2 wire, loop powered.<br>U <sub>T</sub> = 10~30Vdc.<br>Load resistance: R <sub>L</sub> = (U <sub>S</sub> -10V) / 0.02A. max.<br>Range: Ranges in gauge pressure:<br>from -1~0 bar to -1~9 bar.<br>and from 0~0.25bar to 0~600bar.<br>Also some ranges in absolute pressure are available.<br><b>Standard:</b> Process connection: 1/2" BSP.<br><b>Flush diaphragm:</b> Process connection: 3/4" BSP.<br><b>Sanitary:</b> Process connection: 1/2" triclover.<br>JUMO Datasheet: 40.4366 | \$965.00<br>\$998.00<br>\$1055.00 |
| Midas 1/4" BSP Adaptor                             | <b>Fittings:</b><br>Adaptor to 1/4" BSP taper c/w Teflon Crush Washer.   | \$36.00                           |
| Midas 1/4" NPT Adaptor                             | Adaptor to 1/4" NPT taper c/w Teflon Crush Washer.   | \$36.00                           |
| P30 1/2" Adaptor                                   | Adaptor to 1/2" BSP taper c/w Teflon Crush Washer.   | \$55.00                           |

EINTEK



## LR-Display Plug in Display. Loop powered.

| MODEL             | DESCRIPTION  | PRICE    |
|-------------------|--|----------|
| <b>LR-Display</b> | <b>Plug in Display. Loop powered.</b><br>Input: 4~20mA, 2 wire.<br>Display: 4-digit: 7.6mm height.<br>Housing: Plastic.<br>Protection: IP65. | \$290.00 |

LR-Display shown  
with JUMO P30-504  
Pressure Transmitter.



**NEW** Level transmitters

**JUMO Maera (4390 Series)**

[www.intech.co.nz/4390](http://www.intech.co.nz/4390)

**Level probe for liquids - Critical Applications.**



**Features:**

- ◆ Two wire 4~20mA submersible transmitter.
- ◆ High accuracy < 0.5%.
- ◆ 3x Overpressure - up to 40 bar.
- ◆ Surge and Reverse polarity protection.
- ◆ Integrated OVP (lightning protection (4392).



**4391**

**4392**

**Note:** A close proximity or direct lightning strike may compromise the OVP protection.

| MODEL               | DESCRIPTION   | PRICE     |
|---------------------|---|-----------|
|                     | <p><b>Level transmitter (4392 stats).</b><br/>                     Housing: 225mm x ø25mm, stainless steel.<br/>                     Protection: IP68. EN60529 to 400m.<br/>                     Cable: polyurethane ø 9mm.<br/>                     Accuracy: on full scale, &lt; 0.5% min @ 20°C.<br/>                     Operating temp: 0~50°C.<br/>                     Temp coefficient: ±0.2% / 10°C.<br/>                     Output: 4~20mA, 2 wire, loop powered.<br/>                     U<sub>T</sub> = 10~30Vdc.<br/>                     Load resistance: max. R<sub>L</sub> &lt; (U<sub>S</sub>-10V) / 0.02A.<br/>                     JUMO Datasheet: 40.4392   40.4391   40.4390</p> |           |
|                     | <p>Standard ranges:</p>   |           |
| <b>4391-242-1.0</b> | 0~1 metre H <sub>2</sub> O, with 10 metres of cable.  | \$1415.00 |
| <b>4392-242-2.5</b> | 0~2.5 metres H <sub>2</sub> O, with 10 metres of cable.   | \$1030.00 |
| <b>4392-242-4.0</b> | 0~4 metres H <sub>2</sub> O, with 10 metres of cable.   | \$1030.00 |
| <b>4392-242-6.0</b> | 0~6 metres H <sub>2</sub> O, with 10 metres of cable.   | \$1030.00 |
| <b>4392-242-10</b>  | 0~10 metres H <sub>2</sub> O, with 15 metres of cable.  | \$1125.00 |
| <b>4392-242-25</b>  | 0~25 metres H <sub>2</sub> O, with 30 metres of cable.  | \$1390.00 |
| <b>4392-242-40</b>  | 0~40 metres H <sub>2</sub> O, with 50 metres of cable.  | \$1750.00 |
| <b>4392-242-60</b>  | 0~60 metres H <sub>2</sub> O, with 65 metres of cable.  | \$2155.00 |
|                     | Other ranges and cable lengths are available on request.  |           |



NAA-209



NAA-101/2



LPN-OVP (Rev 1)

**Common Accessories for Level transmitters.**

| MODEL                  | DESCRIPTION   | PRICE    |
|------------------------|---|----------|
| <b>NAA-101</b>         | <p><b>Terminal Box with filter.</b><br/>                     Protection: IP65.<br/>                     Size: 93 x 93mm.</p>  | \$70.00  |
| <b>NAA-102</b>         | <p><b>Terminal Box with filter and integral OVP.</b><br/>                     Protection: IP65.<br/>                     Size: 93 x 93mm.<br/>                     Overvoltage protection:<br/>                     Voltage clipping: slow - 90 Vpp, fast - 33 Vpp.<br/>                     Line resistance: 13 ohm.<br/>                     Max rating: 600 W / 1ms.</p> | \$320.00 |
| <b>NAA-209</b>         | <b>Hanging Cable Clamp.</b>   | \$30.00  |
| <b>LPN-OVP (Rev 1)</b> | <p><b>DIN Rail mount OVP unit. <a href="http://www.intech.co.nz/lpn-ovp">www.intech.co.nz/lpn-ovp</a></b><br/>                     Leakage Current: 10µA @ 24Vdc.<br/>                     Transient cut-off voltage: 33V.<br/>                     Added line resistance: 4 ohms for the loop.</p>   | \$115.00 |

**BD Sensors**

[www.intech.co.nz/lmk306](http://www.intech.co.nz/lmk306)

**Level probe for liquids - Small Diameter.**

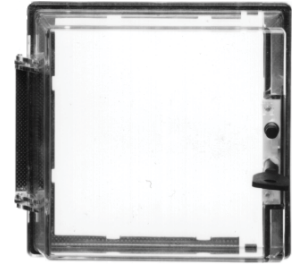


| MODEL              | DESCRIPTION   | PRICE     |
|--------------------|---|-----------|
| <b>LMK 306</b>     | <p><b>Stainless Steel Submersible Level Transmitter.</b><br/>                     Housing: 132mm x ø17mm, stainless steel.<br/>                     Protection: IP68.<br/>                     Cable: polyurethane ø7.4mm.<br/>                     Accuracy: on full scale, ≤±0.5%.<br/>                     Operating temp: -10~70°C.<br/>                     Temp drift: ≤±0.2% / 10°C.<br/>                     Output: 4~20mA, 2 wire, loop powered.<br/>                     VS = 12~36Vdc.<br/>                     Load resistance: R<sub>max</sub> = [(VS - VS min) / 0.02] Ω</p> |           |
| <b>LMK-306-50</b>  | 0~50 metres H <sub>2</sub> O, with 60 metres of cable.  | \$1750.00 |
| <b>LMK-306-100</b> | 0~100 metres H <sub>2</sub> O, with 110 metres of cable.  | \$2155.00 |
|                    | Other ranges and cable lengths are available on request.  |           |

Lockable clear protection covers are available for protection against mechanical damage and unintentional or unauthorised manipulation, as well as protecting against dust and splashing water.  
The panel mounting instrument (eg. Controller) is passed through the cover frame and pushed into the panel cut-out, where it is secured from behind.

**Jumo**

**Protection cover AK-96**



[www.intech.co.nz/ak-96](http://www.intech.co.nz/ak-96)

| MODEL | DESCRIPTION  | PRICE    |
|-------|--|----------|
| AK-96 | <b>Protection cover.</b><br>Lockable (plastic lock).<br>High-impact clear plastic (polycarbonate).<br>Heat-resistant up to 130°C.<br>Suitable for flush-panel mounting instruments with 96 x 96mm bezel.<br>Protection: IP65.<br>JUMO Datasheet: 70.9710 | \$138.00 |

**SR253 - Digital controllers.**

- ◆ Autotuning controller with expert PID processing.
- ◆ Inputs: Thermocouple, RTD, Current, Voltage.
- ◆ Outputs: Current, SSR drive, Voltage, Relay.
- ◆ Remote setting, analogue or digital.
- ◆ Timer functions.
- ◆ Ramp control (10 steps).
- ◆ Event output, Heater break alarm.
- ◆ Comms: RS232C, RS422A, RS485.
- ◆ Communicates with Intech software.
- ◆ Retransmission of process value or set value.
- ◆ Set value bias by digital input.
- ◆ High and low alarms.

| MODEL | SIZE    | BASE PRICE | OPTIONS        | ADD PRICE |
|-------|---------|------------|----------------|-----------|
| SR253 | 96 x 96 | \$1310.00  | Event outputs  | \$180.00  |
|       |         |            | Retransmission | \$225.00  |
|       |         |            | Comms          | \$270.00  |
|       |         |            | Second output  | \$135.00  |



[www.intech.co.nz/sr253](http://www.intech.co.nz/sr253)

**FP93 - Programmable ramp controllers.**

- ◆ Autotuning controller with expert PID processing.
- ◆ Inputs: Thermocouple, RTD, Current, Voltage.
- ◆ Outputs: Current, SSR drive, Voltage, Relay.
- ◆ Remote setting, analogue or digital.
- ◆ Timer functions.
- ◆ Set value bias by digital input.
- ◆ Ramp control, 10 steps per pattern.
- ◆ 4 Patterns.
- ◆ Comms: RS232C, RS485.
- ◆ Communicates with Intech software.
- ◆ Retransmission of process value or set value.
- ◆ High and low alarms.
- ◆ Event output, Heater break alarm.

| MODEL | SIZE    | BASE PRICE<br>Includes Events | OPTIONS               | PRICE    |
|-------|---------|-------------------------------|-----------------------|----------|
| FP93  | 96 x 96 | \$630.00                      | Retransmission        | \$100.00 |
|       |         |                               | Comms                 | \$160.00 |
|       |         |                               | 24Vac/dc Power Supply | \$90.00  |
|       |         |                               | Status Output         | \$80.00  |



[www.intech.co.nz/fp93](http://www.intech.co.nz/fp93)