



SUMMARY PRODUCT GUIDE

Instrumentation • Monitoring • Control

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Intech[®]

Instruments

Instrumentation Specialists

We help industries to monitor
and control processes



Temperature

RTD	With integral cable		- Pt100, Class A Temperature sensor (others available) - Temperature ranges from -100 to 260°C - Probe material 316SS - Probe diameters from 3.3mm to 7.9mm - Various lead insulation materials
	With terminal head		- RTD Pt100 DIN standard element (others available) - Temperature range from -70 to + 260°C - Probe diameter is 6.4mm (others available) - Standard Aluminium head (others available) - Optional head-mount transmitters
Thermocouple	With leads / connectors		- K, J, T and N types - Temperature range from -270 to + 1600°C - Common sheath diameters from 1.0 to 10.8mm - Various sheath materials - Various lead insulation materials - Various plug and jack connectors available
	With terminal heads		- K, J, T and N types - Temperature range from -270 to + 1600°C - Common sheath diameters from 3.0 to 10.8mm - Various sheath materials - Various protection heads and transmitters - Isolated and bonded hot junctions
Probe Accessories			- RTD and Thermocouple Cable - Compression glands different sizes - Pockets. Welded construction. Lengths: 70, 120, 170 220, 270mm - Flanges: Small and large diameters available



Control & Display

Controllers	Analogue / Digital		- Analogue Controllers - Digital Controllers - Limit Controllers - Refrigeration Controllers - Servo Controllers
Displays	Indicators		- IN-up4 - Universal Input Indicator, Panel Mount, programmable - SD17 - Digital Indicator - Up4-Din - Universal Input Indicator, Din rail mount



Liquid analysis

pH Sensors			- Jumo pH probes: Insertion, glass or plastic shaft electrode with silicone handle. - Industrial pH probes also available for insertion in tanks and pipes using process or waste water.
pH Controller/ Tx	Jumo Aquis 500		- pH Transmitter/Controller - Graphic display with backlight - Simple menu, guided 3 point calibration - Full PID controller - Wall or panel mount
Conductivity	Sensors/ Transmitters		- Mini Compact Conductivity Transmitter - Jumo Conductivity sensor with 2-electrode principle and different measuring ranges



Pressure

Transmitters

Midas / P30



- Pressure transmitter 2 wire, loop powered
- Protection IP65 +IP68 (M12)
- Different process connections
- Many different ranges: -1 to 600 Bar

Switches

Delos S02



- DELOS S02: Switching outputs, IO link output and LCD display

Differential



- Option to Dry non-corrosive gases and liquids
- Different ranges available
- 402006 Series, 404304 Series, LPN-DP Series and Midas DP10



Level

Transmitters

Hydrostatic / Ultrasonic



- Technologies available:
 - Capacitive
 - Guided Microwave
 - Hydrostatic Submersible
 - Hydrostatic Level/ Pressure
 - Magnetostrictive
 - Non-contact Radar
 - Ultrasonic for liquids
 - Ultrasonic for solids

Switches

Rotary Paddle / Float



- Technologies available:
 - Conductive
 - Float
 - Magnetic Coupling
 - Magnetic Tracking
 - Optical
 - Rotary Paddle
 - Vibrating Fork
 - Vibrating Rod



Flow

Flow Meters

Continuous Flow



- Insertion Paddle Flow Meters
- Oval Gear Flow Meters
- Positive Displacement - Multi Pulse Flow Meters
- Turbine Flow Meters

Flow Switches

Point Flow



- Technologies available:
 - Paddle Type Flow Switches
 - Inline Flow Switches
 - Thermal Dispersion Flow Switches

Instrumentation

Totalisers / Loggers



- Batch Controllers
- Flow Data Loggers
- Flow Pulse Amplifier
- Flow Rate Displays & Totalisers



Power control

Power Supplies

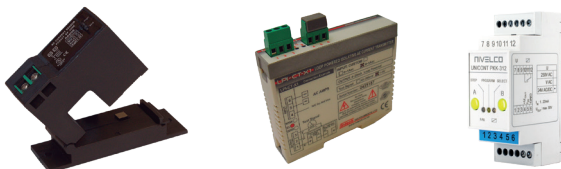
PSW Series



- Instrument Quality Power Supplies
- PSW-10-F: 24Vdc, 1.0A
- PSW-2: Adjustable I/O Voltage 200mA
- PSW-10: Adjustable Output Voltage, 1A. Input Voltage: 100~264Vac/dc.

Transducers

RP Series



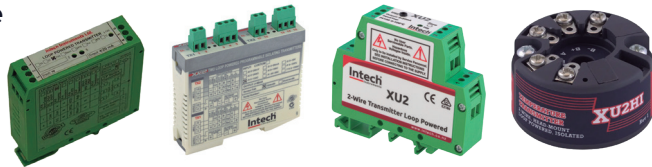
- Different models available for:
 - Current (AC Power)
 - Power Factor
 - Watt



Signal transmitters & conditioners

Transmitters

2 Wire



• Different types available:

- AC Current
- Bridge and Strain Gauge
- DC Signal
- Frequency
- Light Intensity
- Potentiometer
- Pressure
- Resistance
- RTD / Thermocouple
- Universal Input

3 & 4 Wire



• Different types available:

- Bridge and Strain Gauge
- DC Signal
- DC to Frequency
- Frequency to DC
- Frequency to Frequency
- Maths Function
- Potentiometer
- Resistance
- RTD / Thermocouple
- Universal Input

Isolators

XI Series



• Isolating 4~20mA Input to 4~20mA Output

- XID-L: Loop Powered
- XID-PI: 24Vdc Powered
- XI-L: Loop Powered
- XI-P: Input Powered

Telemetry

Z-2400-A2 Series



- Stand-alone wireless Data Links using ZigBee® technology for analogue and digital interface
- 3 Wireless nodes available: Input, Output & Repeating
- Antennas available

Calibrators

Mr. Signal



- Multifunctional Generators
- Input: mA, V, Hz, mV, TC, RTD
- Output: mA, V, XMT, Hz, mV, TC, 24V, RTD
- Signal switch/calibrator



Environmental monitoring

4~20mA Weather Sensors

Wind Speed / Direction



- WS3-CL: Wind Speed Sensor
- WD-CL: Wind Direction Sensor

THP Series



- T-CL: Temperature Sensor
- H-CL: Humidity Sensor
- BP-CL: Barometric Pressure Sensor
- LE-CL: Light Energy Sensor
- RAIN-CL: Rain Gauge

Mounting Options



- Shield: Solar Radiation shield
- Mounting options: L-bar or T-bar

4~20mA Output



- Fully mounted type is supplied with T-Bar equipment mounting arm, complete with attachment plate and two 50mm U bolts, ready for mounting to pipe or bolting to posts or buildings.
- Weather sensor transmitters are tools for the observation and recording of meteorological data.
- 4~20mA sensors for easy integration into a SCADA or PLC monitoring system.

Assembled Weather Stations



Data acquisition

I/O Remote Stations

2300 Series



- Low Cost I/O Modules
- Modbus RTU with Modbus TCP option
- Programmable ranges within input type
- Power Supply: 24Vdc

2100 / 2400 Series



- Up to 16 Isolated Universal Analogue Inputs, with plug in terminals Inputs are software programmable
- Configured for any of the following inputs: Pt100/ Pt1000, Thermocouple, mA, mV, V & Pulse/Digital

Data Loggers

HR / LCD Series



- Mini Portable Stainless Steel Data Loggers
- Large storage capacity
- HR Series: housed in a rugged 20mm diameter 304 Stainless steel tube
- LCD Series: handheld, high resolution, with a liquid crystal display

SCADA Software

MicroScan SCADA



- Real time monitoring for industry
- Real time trends
- Customizable graphs and HMI Screens
- History and search screens
- Alarms and events



Humidity

Transmitters

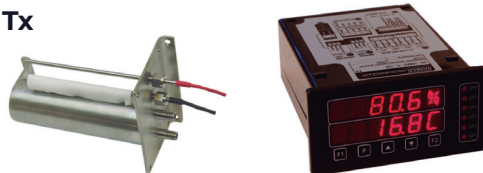
LPN-H Series



- LPN-H: Relative humidity and Temperature sensing module, with two loop powered 4~20mA output signals, representing 0~100%RH and 0~100°C
- Two versions available:
 - (i) Wall mount
 - (ii) Duct mount

Wet & Dry Tank

WithIndicator / Tx



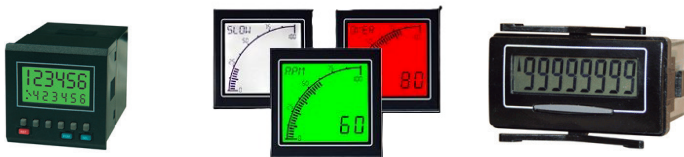
- Humidity tank with Wet & Dry sensors
- The WDT-DW Tank is wired to a Humidity & Temperature Indicator Transmitter IN-HWD, with two 4~20mA outputs representing 0~100%RH plus 0~100°C.



Automation

Counters / Timers

And Totalisers



- Counters, Timers, Hour Meters and Frequency & Rate Meters
- Full range of Temperature Limiters / Monitor - Also available.

Proximity Sensors

With LED indicator



- Temperature -20~70°C
- Selectable output PNP or NPN
- Inductive type
- Capacitive type
- Photo diffusion type

Rotating Connectors

Mercury Connectors



- Mercotac connectors produce near zero electrical noise due to their unique design
- Resistance through the rotating contact is less than one milliohm, lower than the resistance of a slip ring
- Does not degrade the signal over time

Our Brands:

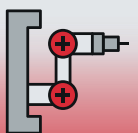
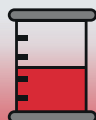
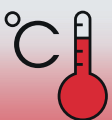


Industries we support:

Air Conditioning
Concrete
Food Processing
Glass
Heat Treatment
Mining
Petrochemical
Pharmaceutical
Plastics / Rubber

Refrigeration
Research
Shipping
Textile
Timber
Forestry
Water / Waste
Wine
Metals Manufacture & Processing

Among many more



Intech[®]

Instruments

We help industries to monitor and control processes. Intech Instruments are manufacturers, exporters and importers of quality, state of the art products for measurement and control of Temperature, Humidity, Pressure, Flow, Level and Liquids Analysis.

We also provide a complete line of Data Acquisition, Automation, Signal and Environmental products.

At Intech we are dedicated to and very passionate about instrumentation.

Contact us.

Intech Christchurch

Office location:
59 Mandeville Street
Riccarton
Christchurch 8011

Phone: (03) 343-0646

Email: sales@intech.co.nz

Intech Auckland

Office location:
70 Central Park Drive
Henderson
Auckland 0610

Phone: (09) 827-1930

Email: aucksales@intech.co.nz

www.intech.co.nz

