

Intech INSTRUMENTS LTD

Instrumentation * Monitoring * Control

News - September 2011

Bring Your Knowledge Up To The Next Level

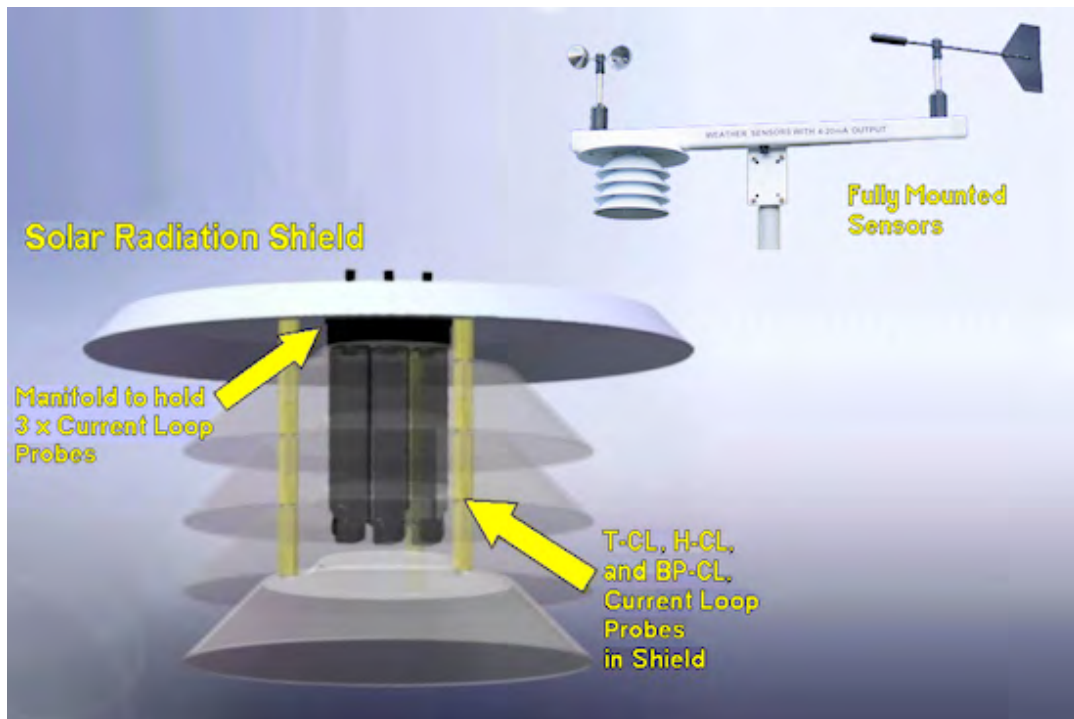
A wise man once said "before you rip a fence out, stop and think for a moment why it was put there in the first place".

At **Intech Instruments** we believe that good information is key to making sound decisions. We feel that by providing accurate data via reliable instruments, you (the client), will benefit.

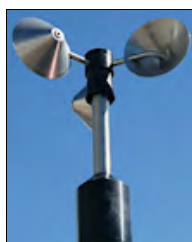


Intech produce a range of **environmental sensors** designed for industrial installations that can be used to provide valuable data. Robust design, excellent software and low cost ensure you'll always know why the fence was there.

Intech Rugged All Weather Sensors With 4~20mA Output & MODBUS RTU



Solar Radiation Shield with Temperature, Humidity & Barometric Pressure Sensors.



WS3-CL
Wind Speed

6 cup anemometer also available.



WD-CL
Wind Direction



LE-CL
Solar Radiation



RAIN-CL
0.2mm Rain Gauge

Intech Multi Purpose Data Loggers



GP-MC
10 Input Multi
Purpose Logger
8 analogue &
2 digital channels



GP-HR
4 Input Multi
Purpose Logger
3 analogue &
1 digital channels

Both the **GP-MC** & **GP-HR** are able to have each channel configured to accept inputs from a wide variety of sensors, including the Environmental sensors above. The GP-MC also supports an additional 15 channels of input from remote sensors on an RS485 interface.

The Loggers feature up to 1,000,000 8 bit samples or up to 500,000 12 bit samples. While both Data Loggers are designed for remote field use, the GP-MC can be supplied with a IP66 weather proof enclosure if required.



NEW Intech LPN-OVP Rev1 Over Voltage Protection Unit

The **LPN-OVP Rev1** is reliable and effective in protecting process control equipment against potential Lightning strike or earth potential rises.

We strongly recommend using the LPN-OVP Rev1 with our Submersible Level Transmitters (**IN-LLT-C**) if long runs of cable are involved in the installation.

The circuit design is simple but very effective. Gas discharge tubes provide the first stage protection and can discharge up to 5000A when exposed to a 8x20 μ s waveform. Transient voltage suppressors provide the second stage protection, and typically operate within 5ns, and can discharge 600W when exposed to a 10x1000 μ s waveform.

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

SPECIFICATIONS

Gas discharge tubes:

8x20 μ s	5000A
10x1000 μ s	10A
DC spark voltage	60~90V at 100V/s
Impulse spark over voltage	<600V at 1kV/ μ s

Transient voltage suppressors:

10x1000 μ s	600W
Response time	<5ns from 0~41V
Stand off voltage	33V typical

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JUMO **NIVELCO** **SHIMADEN**

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Christchurch:
Phone: +64 3 3430646
Fax: +64 3 3430649

Auckland:
Phone: (09) 827-1930
Fax: (09) 827-1931

Email: sales@intech.co.nz
Web: www.intech.co.nz