Environmental Monitoring Systems

Environmental Monitoring Systems are fully scalable, providing the flexibility of monitoring only the inputs needed for a given application. The systems use our popular and well tested general purpose data loggers, which means that inputs other than weather types can also be logged if required [E.g. 4~20mA or Voltage signal(s)]!

SMALL System

GP-HR-LB with Air Temp and Humidity sensors in Shield & Solar Radiation sensor.

MODEL	DESCRIPTION	PRICE
GP-HR-LB	GP-HR in L-Bar with attachment plate and two 50mm U bolts.	$610.00
Options:		
add any three of the following	add Ground Temp. add Air Temp and Humidity in Shield (**Note:** counts as two channels). add Leaf Wetness. add Solar Radiation. add Wind Direction. add 4~20mA input. add Voltage input.	$110.00 $505.00 $298.00 $210.00 $580.00 $72.00 $72.00
add any one of the following	add Windspeed. add Rain Gauge input. add 1mm Rain Gauge. add 0.2mm Rain Gauge.	$540.00 $72.00 $270.00 $410.00
Add download cable: **SWDL-DLC3USB** **SWDL-DLC3** **DLC3USB** **DLC3**	 **OmniLog Software and DLC3USB download cable Kit (USB).** **OmniLog Software and DLC3 download cable Kit (RS232).** **Spare DLC3USB** download cable (USB). **Spare DLC3** download cable (RS232).	 $150.00 $150.00 $120.00 $120.00
Additional options:		
T-BAR	If you require Windspeed and Direction, use a T-Bar rather than an L-Bar.	$48.00
Cell Modem	add Cell Modem in Weatherproof Box.	$1290.00
Solar Power	add Solar Power Supply for above.	$710.00

<< Please refer to pages 36 & 37 for more information on the **GP-HR** general purpose data logger.

www.intech.co.nz/envsystems

MEDIUM System

Optional IP66 Logger Enclosure

MODEL	DESCRIPTION	PRICE
GP-MC	**10 Input Multi Purpose Data Logger.** Option: IP66 Weatherproof Logger enclosure. add External Socket on Logger enclosure.	$698.00 $320.00 $72.00
Options:		
add any eight of the following	add Ground Temp. add Air Temp and Humidity in Shield (**Note:** counts as two channels). add Leaf Wetness. add Solar Radiation. add Wind Direction. add 4~20mA input. add Voltage input.	$110.00 $505.00 $298.00 $210.00 $580.00 $72.00 $72.00
add any two of the following	add Windspeed. add Rain Gauge input. add 1mm Rain Gauge. add 0.2mm Rain Gauge.	$540.00 $72.00 $270.00 $410.00
add any five of the following	add Air Temp, Humidity, Pressure in Radiation Shield. add Air Temp, Humidity in Radiation Shield.	$750.00 $610.00
Mounting	add L-Bar with attachment plate and two 50mm U bolts. add T-Bar with attachment plate and two 50mm U bolts.	$205.00 $255.00
Add download cable: **SWDL-DLC5USB** **SWDL-DLC5** **DLC5USB** **DLC5**	 **OmniLog Software and DLC5USB download cable Kit (USB).** **OmniLog Software and DLC5 download cable Kit (RS232).** **Spare** GP-MC download cable (USB). **Spare** GP-MC download cable (RS232).	 $150.00 $150.00 $120.00 $120.00
Additional options:		
Cell Modem	add Cell Modem in Weatherproof Box.	$1290.00
Solar Power	add Solar Power Supply for above.	$710.00

<< Please refer to page 38 for more information on the **GP-MC** multi purpose data logger.

All prices are in NZ$, are GST exclusive and are subject to change without notice.

4~20mA Weather Sensor Transmitters

Weather Sensor Transmitters are a tool for the observation and recording of meteorological data. The sensors can monitor air temperature, humidity, barometric pressure, light intensity, wind speed, wind direction and rainfall. The output signals from the sensors are industrial standard 4~20mA (loop powered). This allows for easy integration into a SCADA or PLC monitoring system.

Individual Sensors:		
MODEL	**DESCRIPTION**	**PRICE**
	Weather Sensor Transmitters. All with 4~20mA output signal (loop powered).	
H-CL-E	Humidity sensor c/w 1.5m cable.	$260.00
T-CL-E	Temperature sensor c/w 1.5m cable.	$220.00
BP-CL-E	Barometric Pressure sensor c/w 1.5m cable.	$260.00
LE-CL	Light Energy sensor c/w base plate and 5m cable.	$490.00
WS3-CL	Wind speed (3 cup Anemometer) c/w 5m cable (1.5m/sec starting speed).	$760.00
WS6-CL	Wind speed (6 cup Anemometer) c/w 5m cable (0.45m/sec starting speed).	$1080.00
WD-CL	Wind direction c/w 5m cable.	$760.00
RAIN-CL	0.2mm Rain Gauge (4~20mA output via included **PI-F** transmitter).	$912.00
Mounting Options:		
LB	L-Bar with attachment plate and two 50mm U bolts.	$130.00
TB	T-Bar with attachment plate and two 50mm U bolts.	$180.00
Shield	Solar Radiation Shield - used for more accurate measurement of temperature, humidity and barometric pressure sensors (Does not include Sensors). Must be attached to an L-Bar or T-Bar.	$310.00

WS3-CL
Wind Speed
(3 cup Anemometer)

RAIN-CL
0.2mm Rain Gauge

Solar Radiation **Shield**
(shown attached to **LB** L-Bar)

LE-CL
Solar Radiation /
Light Energy
(Pyranometer)

WD-CL
Wind Direction

www.intech.co.nz/weather

Note:
The L-Bar and T-Bar mounting arms have an attachment plate with holes that can be used for mounting to 50mm (2inch) or 25mm (1inch) diameter pipe or bolting to posts or buildings. The L-Bar and T-Bar are supplied complete with two 50mm (2inch) U bolts.

Fully Mounted Options:		
MODEL	**DESCRIPTION**	**PRICE**
	Weather Sensor Transmitters. 4~20mA Outputs.	
WS3-WD-TB-CL	Wind speed 3 cup (starting speed = 1.5m/sec), wind direction, mounted on Tbar mounting arm c/w 5m cable.	$1750.00
WS3-WD-LE-TB-CL	Wind speed 3 cup (starting speed = 1.5m/sec), wind direction, light energy, mounted on Tbar mounting arm c/w 5m cable.	$2170.00
Options:		
WS6	Fit WS6 (Wind speed 6 cup), instead of WS3 on above Tbar options (used for lower starting speed = 0.45m/sec).	$370.00
THP-CL	Temperature, Humidity and Barometric Pressure sensors, all housed in a Solar Radiation Shield c/w 5m cable, mounted on the above Tbar options.	$1180.00

WS3-WD-TB-CL
with THP-CL option

All prices are in NZ$, are GST exclusive and are subject to change without notice.