New 2100 Family

IntechMicro Stations

Hi Power Monitoring
Now includes built in Controllers

Upto 64 stations

- **Individually Configurable Analogue Inputs**
- **Monitoring made easy**
- **Utilizes latest technology**
- **Low cost – High performance**

Applications

Factory wide monitoring

Cold Stores

Refrigeration

Research

Shipping

Heat Treatment

Mining

Laboratories

Timber processing

Water / Waste Water

Meat Industry

Food Processing

Energy Management

Plastic / Rubber

Textile

Radio communications

2100-A$_{16}$

* **16 Analogue Inputs**
  Pt100, Pt1000, mA, mV & V, ThermocoupleJKNRSTBE
* **3 Digital inputs (on/off & count)**
* **2 Alarm outputs**
* **Analogue input expansion** – up to 4 2100M Multiplexers
* **Relay output expansion** – 2100-R 16 relay output module

* **Input data** memory storage allows the 2100A$_{16}$ and

2100-A$_4$

* **4 Analogue inputs**
  Pt100, Thermister, mA, mV, V & Thermocouple KJNTE
  4 Digital inputs (on/off & count)
  Analogue input expansion – up to 4 2100M Multiplexers

* **4 relay outputs (8 optional)**
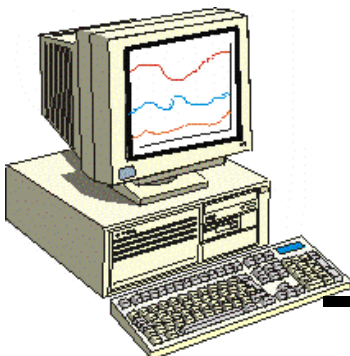 **2 analogue outputs** 0~10V or 4~20mA
  Transmitter Power supply

2100-D

MicroScan SCADA

* **12 digital inputs**
  (on/off & count)

* **12 relay outputs**

Data Hi-way

RS422 RS485 RS232

For more details refer www.intech.co.nz
or contact John on email john@intech.co.

Intech INSTRUMENTS LTD.

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Preliminary Specifications

Common specifications

Power Supply	70-265 Vac / 80~375Vdc
	20-90Vdc Selectable on Bd
	11~30Vdc optional
Comms Protocols	RS422, RS485, Selectable on Bd
	RS232 Optional
Comms Baud Rate	19200, 9600, 4800, 2400 Selectable

2100-AI Analogue Input Remote Station

Analogue Inputs	Each Input can be individually selected and scaled within the following ranges. (16 Bit Resolution on each Range)
	MV: $\pm$ 25 mV, $\pm$ 50 mV, $\pm$ 100 mV, $\pm$ 250 mV, $\pm$ 500 mV
	V: $\pm$ IV, $\pm$ 2.5 V, $\pm$ 5.0 V, $\pm$ 10 V, $\pm$ 15 V
	MA: $\pm$ 1 mA, $\pm$ 2 mA, $\pm$ 4 mA, $\pm$ 10 mA, $\pm$ 20 mA, $\pm$ 40 mA
	RTD (pt100): $\pm$ 25°C, $\pm$ 50°C, $\pm$ 100°C, - 200/250°C, - 200/500°C, ---200/800°C
	TC: J, K, N, R, S, T, with CJC and Linearised
	mV, V, mA, T/C All differential input with 30Vdc Max between any 2 channels.
	RTD (Pt100) Single Ended.
Digital Inputs	3 Digital Opto Isolated Inputs 7 to 30 Vdc
	LED Indicating each Channel
Digital Outputs	3 Digital Opto Isolated Outputs 100 mA dc max.
	LED Indication each Channel
Expandability	Can drive four 2100-M Multiplexers giving the user an additional 60 Analogue Inputs. Individual Clock and Reset lines provided. LED Indication of Clock/Reset.
Memory	Optional plug in 4 Mbit Memory Board for remote datalogging or data backup. (Not used with 2100M's connected).

A single unit can be interfaced directly to a PC or Modem using RS232. (No 2100-IS Required).

2100-D   Digital Input / Output Remote Station

Digital Outputs	12 Isolated Relay Outputs	10 Change over
		2 Normally Open
	2 A 250 Vac	
	2 A 30 Vdc	
	0.3A 110 Vdc	
	1/10 H.P 125 Vac	
	1/6 H.P 250 Vac	
	Relay State, Software Selectable with state retention on power down.	
	LED Indication each Channel.	
Digital Inputs	12 Digital opto Isolated Inputs 5 to 30 Vdc	
	LED Indication each Channel	
	High Speed Inputs 500 Hz Max.	

A single unit can be interfaced directly to PC or Modem using RS232 (No 2100-IS required)