

- ◆ 18 isolated universal analogue input channels.
- ◆ 6 Digital input card.
- ◆ 6 Relay output card.
- ◆ 24Vdc power supply for external sensors.

**PAPERLESS RECORDER
VR18 - 6.1" Colour LCD**



| MODEL | SIZE | PRICE |
|----------------|--|------------------|
| VR18 | Base price, 3 analogue inputs. | \$3065.00 |
| Options | | Add price |
| | 3 channel analogue input card (6 cards max)(ie: 18 analogue channels). | \$390.00 |
| | 6 channel digital input card. | \$270.00 |
| | 6 channel relay output card. | \$270.00 |
| | RS232/422/485. | \$150.00 |
| | Extensive PC software Observer II. | \$225.00 |
| | Firmware of math, counter & totaliser. | \$335.00 |
| | Bench top / portable style. | \$225.00 |
| | 24Vdc transmitter power supply (Must have spare slot). | \$205.00 |
| | 1GB CF card (Download). | \$45.00 |

Note: CF Cards can be purchased locally.

- ◆ Six channel dotting hybrid recorder.
- ◆ Configurable inputs:
 - dc volts.
 - dc milli-amps.
 - Thermocouples.
 - Pt100.
- ◆ 100mm chart width.
- ◆ Printing by a ribbon cassette.
- ◆ Date stamping.
- ◆ Chart speed of 10~1500mm/hr in 28 steps.
- ◆ Scan rate of 10sec/6 channels max.
- ◆ Digital outputs: 6 relay outputs for alarms.
- ◆ Digital inputs: 3 digital inputs for 12 selectable function.
- ◆ Comms: RS232C (standard) or RS485 (option).
- ◆ Front panel protection of IP65.
- ◆ Short panel mounting depth of 150mm.

**HYBRID CHART RECORDER
CR06 Digital 6 channel Recorder**



| MODEL | SIZE | PRICE |
|----------------|----------------------|------------------|
| CR06 | 144 x 144 | \$2200.00 |
| Options | | Add price |
| | 6 relay outputs. | \$725.00 |
| | 3 digital inputs. | \$540.00 |
| | RS485. | POA |
| | Out of paper sensor. | \$999.00 |

Chart Recorders



TT260 Circular Chart Recorder

Mains Operated

TT260 is a circular chart recorder for fixed mounting and mains power supply. For freezers, refrigerators, cool rooms, ovens, food processing equipment, pH & water quality monitors etc. Very easy to operate. The simplest way to provide written proof of compliance with regulations. Optional with full battery back up and one or two alarm contacts.

TEMPERATURE:

The ranges are standard in Celsius degrees.
For Fahrenheit and other ranges, please enquire.

Chart Rotation:

Standard rotation: 24 hours or 7 days. Optional Special chart rotation, ie. 12 hours or 31 days available for some ranges. Please enquire.

Special Features:

- ◆ High Accuracy
- ◆ Lockable.
- ◆ Fast Response.
- ◆ Many options.
- ◆ Compact 100mm circular chart.
- ◆ Many specialised ranges.
- ◆ Disposable pen.

Ranges and Options for the TT260

| Ranges °C | Div °C | Chart no: |
|-----------|--------|-----------|
| -20-110 | 2 | 20.110 |
| -55-100 | 1 | 55.100 |
| -0-100 | 2 | 0.100 |
| -40-85 | 1 | 40.85 |
| -70+20 | 2 | 70.20 |
| -20-65 | 1 | 20.65 |
| 0-45 | 1 | 0.45F |
| 0-30 | 1 | 0.30 |
| -30+15 | 1 | 30.15 |
| +15-30 | 1 | 15.30 |
| -25 0 | 0.5 | 25.0 |
| 0-25 | 0.5 | 0.25 |
| +70-20 | 2 | 70.20 |
| -15+15 | 1 | 15.15 |
| +15-15 | 1 | 15.15 |
| +30-15 | 1 | 30.15 |
| -15+30 | 1 | 15.30 |
| +20-5 | 0.5 | 20.5 |
| 0+25 | 0.5 | 0.25 |
| +25 0 | 0.5 | 25.0 |
| 0+30 | 1 | 0.30 |
| 0+45 | 1 | 0.45 |
| +20+65 | 1 | 20.65 |
| +40+85 | 1 | 40.85 |
| 0+100 | 2 | 0.100 |
| +55+100 | 1 | 55.100 |
| +20+110 | 2 | 20.110 |
| +50+140 | 2 | 50.140 |
| +110+200 | 2 | 100.200 |
| 0+250 | 5 | 0.25 |
| +300 | 10 | 0.30 |
| +190+280 | 2 | 190.280 |
| 0+300 | 10 | 0.30 |
| 0+450 | 10 | 0.45 |

OPTIONS:

Battery backup for all functions.
Automatic charging circuit for NiCad battery will secure correct operation of both chart drive and recording for 2~4 weeks after mains failure, depending on actual circumstances.
Optional alarm contacts will also function, but may reduce the working time to 1~3 weeks after mains failure (fully recharged battery).

Alarm Contacts:

Adjustable from the front over the whole range.
Hysteresis for alarms: Standard 0.5% of range.
Output from alarm(s): Change-over relay(s):
Maximum switching voltage: 220Vac, 250Vdc.
Maximum continuous current: 2A.
Maximum switching power: 60W (dc), 125 VA (ac) with dc voltage: 50~150 Watt, depending on voltage.
Maximum power rating with ac voltage: 250 VA.

Technical Specifications:

Inputs: Pt100 for temperature, 4~20mA, 0~1V, and others on request.
Accuracy: ±1% of range.
Ambient operating temperature: -30 to 60°C.
Operating Principle: Potentiometric with full servo system.
Electronics: Thick film hybrids incorporating bipolar and locmos devices.
Power Supply: 200~250Vac, 50/60Hz (standard). Others at request.
Chart Size: 100mm.
Casings: Shock resistant plastic with seal around door.
Panel Mounting: (standard)
Front 144 × 144 mm.
Cut out panel 138 × 138 mm.
Depth behind panel 90 mm. Screw terminals.
Wall mounting: (optional)
Front: 184 × 143 × 90 mm.
Incl brackets: 220 × 143 mm.

| MODEL | DESCRIPTION | PRICE |
|---------------------|---|------------------------------|
| Portable: | | |
| TT202 | Temperature recorder, Bi-metal. | All Nett \$470.00 |
| TT210 | Temperature recorder, Electronic c/w sensor. | \$1410.00 |
| Panel mount: | | |
| TT260 | Chart recorder, 240v Temp - Pt100 Without sensor. | All Nett \$1410.00 |
| TT260 | Chart recorder, 240v Process - 4~20mA. | \$1410.00 |
| TT260 | Chart recorder, 240v Event - Contact 12Vdc 200mA. | \$845.00 |
| TT260 | Chart recorder, 12volt Temp - Pt100 Without sensor. | \$1395.00 |
| Optional | Wall mounting. | \$122.00 |
| | Battery back up. | \$226.00 |
| | One alarm contact. | \$168.00 |
| | Two alarm contacts. | \$260.00 |
| | Power failure alarm. | \$93.00 |
| TTP-50 | Sensor Pt100 1.5m cable & plug for TT210. | \$196.00 |
| TTP-51 | Sensor Pt100 3m cable for TT210. | \$170.00 |
| TTP-90 | Disposable pen. | \$20.00 |
| TTC- | Charts Box of 100. | \$61.00 |
| TT-W | Wall bracket in stainless steel for TT202 & TT210. | \$74.00 |
| TT-C | Carry-case in leather for TT202 & TT210. | \$94.00 |