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| 2003 PRICE LIST |
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Proteus Series 3000

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|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Instrument | S3000 | S3040 | S3010 | P3000 | P3040 | P3010 | P3200 | P3240 | P3210 |
| Price | £310.00 | £370.00 | £430.00 | £390.00 | £450.00 | £510.00 | £490.00 | £550.00 | £610.00 |

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|--------------|--|
| S3000 | Basic Instrument |
| S3040 | Basic Instrument with Options Board |
| S3010 | Basic Instrument with Options Board & Communications |
| P3000 | Basic Programmer |
| P3040 | Basic Programmer with Options Board |
| P3010 | Basic Programmer with Options Board & Communications |
| P3200 | Basic 2 Channel Programmer |
| P3240 | Basic 2 Channel Programmer with Options Board |
| P3210 | Basic 2 Channel Programmer with Options Board & Comms. |

Additions:

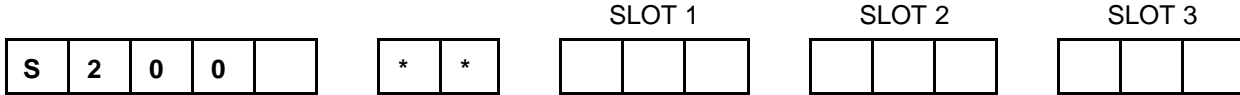
| | | S3000/P3000 | | | | | |
|---------------------|-------|-------------------------|---------------|----------------------------|---------------|---------------|--------------|
| | | Basic Instrument | | Expanded Instrument | | | Price |
| Input/Output | | SLOT-1 | SLOT-2 | SLOT-3 | SLOT-4 | SLOT-5 | |
| Heat | TP | A1,2 | - | - | - | - | £70.00 |
| Heat/OP1 | mA/V | - | B3,4,5 | - | - | - | £70.00 |
| Cool | TP | C1,2 | C1,2 | - | - | - | £70.00 |
| Cool | mA/V | - | D3,4,5 | D3,4,5 | - | - | £70.00 |
| Open | TP | E1,2 | - | - | - | - | £70.00 |
| Shut | TP | - | F1,2 | - | - | - | £70.00 |
| AL-1 | Relay | G1,2 | G1,2 | G1,2 | - | - | £70.00 |
| AL-2 | Relay | - | - | H1,2 | H1,2 | H1,2 | £70.00 |
| Retransmit | mA/V | - | I3,4,5 | - | I3,4,5 | - | £70.00 |
| Remote SP | mA/V | - | - | - | - | K5,6,7 | £70.00 |
| Slidewire | Pot | - | - | - | - | L8 | £70.00 |
| Event Driver | | M2 | - | M2 | - | M2 | £70.00 |
| Event Relay | | N1,2 | N1,2 | N1,2 | N1,2 | N1,2 | £70.00 |
| Remote Prog No | | - | - | R7 | - | - | £70.00 |

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Proteus Series 2000

Basic Controller with Serial Communications

£290.00



Basic Programmer with Serial Communications

£380.00



* Input Code: see Series 2000 Data Sheet

- 0--- No control action/auto hand
- 1--- Heat only
- 2--- Heat/Cool action
- 3--- Motor Valve
- 4--- Thermal head ratio

| | SLOT 1 | | | SLOT 2 | | | SLOT 3 | | |
|---|--------|---|---|--------|---|---|--------|---|---|
| Dual Relay Output PC1578 Dual Logic Output PC1582 | £70.00 | | | £70.00 | | | £70.00 | | |
| A Heat TP | 1 or 2 | A | - | - | - | - | 1 or 2 | A | - |
| C Cool TP | 1 or 2 | - | C | 1 or 2 | C | - | 1 or 2 | - | C |
| EF Valve Open/Close | 1 or 2 | E | F | - | - | - | 1 or 2 | E | F |
| G Alarm 1 | 1 or 2 | G | G | 1 or 2 | G | G | 1 or 2 | G | G |
| H Alarm 2 | 1 or 2 | - | H | 1 or 2 | - | H | 1 or 2 | - | H |
| N Internal Event (P2000) | 1 or 2 | N | N | 1 or 2 | N | N | 1 or 2 | N | N |
| M External Event Driver (P2000) | - | - | - | 2 | - | M | 2 | - | M |
| Note: Any two of the above options may be fitted into each slot, see data sheet | | | | | | | | | |
| # Single Changeover Relay PC1587 | £70.00 | | | £70.00 | | | £70.00 | | |
| A Heat TP | 9 | A | 0 | - | - | - | 9 | A | 0 |
| C Cool TP | - | - | - | 9 | C | 0 | - | - | - |
| G Alarm 1 | 9 | G | 0 | 9 | G | 0 | 9 | G | 0 |
| N Internal Event | 9 | N | 0 | 9 | N | 0 | 9 | N | 0 |
| # Analogue Output PC1579, Analogue Input PC1580 | £70.00 | | | £70.00 | | | £70.00 | | |
| B Heat Analogue | 3,4,5 | B | B | 3,4,5 | B | B | 3,4,5 | B | B |
| D Cool Analogue | 3,4,5 | D | D | 3,4,5 | D | D | 3,4,5 | D | D |
| I Retransmit | 3,4,5 | I | I | 3,4,5 | I | I | 3,4,5 | - | - |
| J Ratio Output | 3,4,5 | J | J | 3,4,5 | J | J | 3,4,5 | - | - |
| S Two Wire Transmitter | 4 | S | S | 4 | S | S | 4 | S | S |
| K Remote Setpoint (PC1580) | - | - | - | - | - | - | 4,5,7 | K | K |
| R Remote Programme Select P2000 only (PC1580) | - | - | - | 7 | R | R | 7 | R | R |
| # Slidewire PC1581 | | | | | | | £70.00 | | |
| LL Input 100 to 1000 ohms | - | - | - | - | - | - | 8 | L | L |

Note: Only one option may be fitted into each slot, see data sheet.

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Proteus Series 1000

| Instrument Type | S1000 M1000 | S1100 M1100 | S1110 M1110 | P1000 | P1100 | P1110 | S1600 | S1610 |
|-----------------|----------------|----------------|----------------|---------|---------|---------|---------|---------|
| Price | £380.00 | £440.00 | £500.00 | £480.00 | £540.00 | £600.00 | £480.00 | £540.00 |

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|--------------------|--|
| S1000/M1000 | Basic Instrument |
| S1100/M1100 | Basic Instrument with Options Board |
| S1110/M1110 | Basic Instrument with Options Board & Communications |
| P1000 | Basic Programmer |
| P1100 | Basic Programmer with Options Board |
| P1110 | Basic Programmer with Options Board & Communications |
| S1600 | Alarm Scanner |
| S1610 | Alarm Scanner with Communications |

| Additions | S1000/P1000/M1000 | | | | | S1600 | | Price |
|-----------------|-------------------|--------|---------------------|--------|--------|--------|--------|--------|
| | Basic Instrument | | Expanded Instrument | | | SLOT-1 | SLOT-2 | |
| Input/Output | SLOT-1 | SLOT-2 | SLOT-3 | SLOT-4 | SLOT-5 | SLOT-1 | SLOT-2 | |
| Heat TP | A1,2 | - | - | - | - | - | - | £70.00 |
| Heat/OP1 mA/V | - | B3,4,5 | - | - | - | - | - | £70.00 |
| Cool TP | C1,2 | C1,2 | - | - | - | - | - | £70.00 |
| Cool mA/V | - | D3,4,5 | D3,4,5 | - | - | - | - | £70.00 |
| Open TP | E1,2 | - | - | - | - | - | - | £70.00 |
| Shut TP | - | F1,2 | - | - | - | - | - | £70.00 |
| AL-1 Relay | G1,2 | G1,2 | G1,2 | - | - | G1,2 | G1,2 | £70.00 |
| AL-2 Relay | - | - | H1,2 | H1,2 | H1,2 | H1,2 | H1,2 | £70.00 |
| Retransmit mA/V | - | - | - | I3,4,5 | - | - | I3,4,5 | £70.00 |
| Ratio mA/V | - | J3,4,5 | - | - | - | - | - | £70.00 |
| Remote SP mA/V | - | - | - | - | K5,6,7 | - | - | £70.00 |
| Slidewire Pot | - | - | - | - | L8 | - | - | £70.00 |
| Event Driver | - | - | - | - | M2 | M2 | - | £70.00 |
| Event Relay | N1,2 | N1,2 | N1,2 | N1,2 | N1,2 | - | - | £70.00 |
| Event Driver(2) | - | - | - | - | - | P2 | - | £70.00 |
| Remote Prog No | - | - | R7 | - | - | - | - | £70.00 |

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Series 1800 & 2800 Pulse Output Unit

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|----------------|----------------|----------------|-------------------------------|--------------------------|
| M1800 | M1810 | M2800 | E-PROM M1800...£180.00 | PC1585....£170.00 |
| £720.00 | £780.00 | £620.00 | E-PROM M2800...£160.00 | PC1586....£200.00 |

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| M1800 | Basic Series 1000 Instrument with 2 to 8 pulse outputs |
| M1810 | Basic Series 1000 Instrument with 2 to 8 pulse outputs and serial communications |
| M2800 | Basic Series 2000 Instrument with 2 to 8 pulse outputs and serial communications |

Proteus Series 1000/2000 & 3000 Accessories

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|--|---|---------------|
| EDM | 8 Event Driver Module (P1/P2/P3000's) | £120.00 each |
| EDM1 | 8 Alarm Driver (Hi Alarms) (S1600's) | £120.00 each |
| EDM2 | 8 Alarm Driver (HiHi Alarms) (S1600's) | £120.00 each |
| DRR8 | DIN Rail Relay Module | £150.00 each |
| 188200 | EDM-DRR8 Cable | £ 30.00 each |
| PC1559/10 | Remote Prog No Selector Switch | £ 80.00 each |
| EDM/DRR8 | 8 Event Driver & Relay Module (P1/P2/P3000's) | £300.00 each |
| EDM1/DRR8 | 8 Alarm Driver (Hi/HiHi or Hi) & relays (S1600's) | £300.00 each |
| EDM2/DRR8 | 8 Alarm Driver HiHi & Relays (S1600's) | £300.00 each |
| Greater than 10 progs (P1000/P2000/P3000's) | | £150.00 extra |

Manuals

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| One Operator/Installation manual supplied free of charge with each instrument. | |
| Communications Manual (S/M/P/1000, 2000 or 3000) | £ 10.00 each |
| Engineering Manual (S/M/P/1000, 2000 or 3000) | £ 10.00 each |
| Extra Operators/Installation Manual | £ 5.00 each |

S/P1000 & 3000 Spare Boards

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|-----------------|-----------------------|---------|--------------------|---------------------|---------|
| PC1541 | Comms | £ 90.00 | PC1547 | PSU Board | £160.00 |
| PC1542 | Relay | £ 90.00 | PC1546S | Display Assy-S1000 | £170.00 |
| PC1543 | Remote Setpoint | £ 90.00 | PC1546P | Display Assy-P1000 | £180.00 |
| PC1543A | Remote Prog No | £ 90.00 | PC1546SCAN | Display Assy-S1600 | £200.00 |
| PC1544 | Analogue | £ 90.00 | PC1546SASS | Disp/CPU Assy-S1000 | £320.00 |
| PC1545 | Slidewire | £ 90.00 | PC1546PASS | Disp/CPU Assy-P1000 | £420.00 |
| PC1548 | Options | £ 90.00 | PC1546SCASS | Disp/CPU Assy-S1600 | £350.00 |
| PC1549 | Logic/Event Driver | £ 90.00 | PC1556 | 24/48V DC PSU | £170.00 |
| PC1552 | Input Shunt | £ 20.00 | CASE1000 | Case Assembly | £150.00 |
| PC1554 | I/P Options-S1600 T/C | £200.00 | 761001 | Terminal Assembly | £ 90.00 |
| PC1554RT | I/P Options-S1600 RT | £200.00 | | | |
| PC1540 | CPU Controller | £150.00 | | | |

S/P2000 Spare Boards

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|-------------------|------------------|---------|-----------------|-------------------|---------|
| PC1575 | CPU | £240.00 | PC1582 | Logic/event | £90.00 |
| PC1576 | Display Assembly | £160.00 | PC1583 | Terminal Assembly | £70.00 |
| PC1577 | PSU | £160.00 | PC1584 | Keyboard Assembly | £30.00 |
| PC1578 | Relay | £90.00 | PC1586 | Pulse burner | £250.00 |
| PC1579 | Analogue Output | £90.00 | PC1587 | C/O Relay | £90.00 |
| PC1580 | Analogue Input | £90.00 | PC1588 | Input Shunt | £20.00 |
| PC1581 | Slidewire | £90.00 | CASE2000 | Case Assembly | £120.00 |
| PC1540P | CPU Programmer | £250.00 | | | |
| PC1540SCAN | CPU Scanner | £150.00 | | | |

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CALIBRATORS

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|--|-----------------|
| EZECAL MK3 Calibrator/Simulator/mV source | £ 380.00 |
| EZECAL MK4 Calibrator/Simulator/mV Source | £ 400.00 |
| EZECAL-MK5-0 Calibrator | £1400.00 |
| EZECAL-MK5-1 Calibrator with RS232 Communications | £1500.00 |

All above calibrators supplied with Calibration Certificate traceable to National Standards

Options:

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|----------------------|----------------|
| NAMAS Calibration | |
| Ezecal MK2, MK3, MK4 | £90.00 |
| Ezecal MK5 | £135.00 |

Bought In Products

RIXEN

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| Rixen Indicator | £ 440.00 |
| Rixen Transmitter | £ 485.00 |
| Extras: | |
| Range greater than 360PA on above add | £ 50.00 |
| MU-Digital Transmitter Wall Mount | £ 450.00 |
| Extras: | |
| Ranges greater than 800PA on MU-Digital | add £ 50.00 |
| K2-35 | £ 115.00 |

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Ancillary Products

MagiPak 500 Series

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|---------------------------------------|----------|
| S500 | £ 160.00 |
| S502 | £ 210.00 |
| S560 | £ 290.00 |
| S564/5 | £ 370.00 |
| S570 | £ 410.00 |
| P560 | £ 380.00 |
| P564/5 | £ 460.00 |
| P570 | £ 500.00 |
| I580 Digital Indicator | £ 190.00 |
| I581 Digital Indicator mV- RTX | £ 240.00 |
| PP1 PP1 Relay Unit | £ 290.00 |

P450 Profile Generators

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| P451: 1Channel Profile Generator | £1200.00 |
| P452: 2 Channel Profile Generator | £1300.00 |
| P453: 3 Channel Profile Generator | £1400.00 |
| DRR8 Din Rail Relay Module | £ 150.00 |
| 188450 Control Network Cable (1m) | £ 40.00 |
| 188451 RS422 or CC8 Cable(3m) | £ 40.00 |
| 188452 DRR8 Cable (3m) | £ 40.00 |
| 188453 DRR8*2 Cable (3m) | £ 60.00 |
| 188454 Remote St/Stp/Hld Cable(2m) | £ 40.00 |
| 188455 Event Outputs Cable (3m) | £ 40.00 |
| 188456 P450 Universal Comms | £ 40.00 |

P460 Profile Generators/Controllers

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| P461 1 Channel Profile Gen/Controller | £1,200.00 |
| P462 2 Channel Profile Gen/Controller | £1,200.00 |
| P463 3 Channel Profile Gen/Controller | £1,200.00 |
| P464 4 Channel Profile Gen/Controller | £1,200.00 |

P250A Profile Generators & DRM

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|------------------------|-------------|
| P250A | £ 880.00 |
| Ancillaries | |
| DRMC Controller | £ 160.00 |
| DRMI Interface | £ 160.00 |
| DRMI Buffer | £ 160.00 |
| Offset Potentiometer: | Add £ 30.00 |

ICU Series

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| ICU-0 Base Unit-Universal Voltage | £ 700.00 |
| <i>Additions:</i> | |
| Ax 8xAnalogue Inputs (PC1596) | £200.00 |
| Bx 4xAnalogue Outputs (PC1597) | £250.00 |
| Cx 8xDigital Input (PC1598) | £150.00 |
| Dx 8xDigital Output(PC1599/1600) | £150.00 |

Note: Maximum of 5 modules per base unit

Software

| Type | Price |
|---------------------------|----------|
| DATA MANAGER-R-0-0 | £400.00 |
| DATA MANAGER-B-0-0 | £700.00 |
| DATA MANAGER-B-1-0 | £800.00 |
| DATA MANAGER-S-0-0 | £1000.00 |
| DATA MANAGER-S-1-0 | £1100.00 |
| DATA MANAGER-A-0-0 | £1400.00 |
| DATA MANAGER-A-1-0 | £1500.00 |

1st Suffix

R) Runtime only

B) Basic = Logging, Charts and DDE.

S) Standard = Basic+Dynamics & Language

A) Advanced = Standard + Data Base Comp.

2nd Suffix

0) Without Projects 1) With Projects

3rd Suffix

0), 1), 2), 3), 4)

Add £100 per additional protocol & number of additional protocols as 3rd suffix

Comms Converters:

| | |
|----------------------------|----------|
| RS422PCCARD | £ 300.00 |
| Dual PCI RS422/485 PC Card | |

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|----------------------------------|----------|
| RSLOOPPWD | £ 150.00 |
| RS232/422 Loop Powered Converter | |
| RS485LOOPPWD | £ 150.00 |
| RS232/485 Loop Powered converter | |

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|---|----------|
| RS422CONVERTER-12V | £ 150.00 |
| RS232/422 converter, requires external 12V DC | |

Power Supply for RS422CONVERTER-12V

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|--------------------------------------|--------|
| RS422-PSU-UK UK Power Supply | £20.00 |
| RS422-PSU-EU European: | £20.00 |
| RS422-PSU-US USA Power Supply | £20.00 |

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| CONVERTER-CABLE | £30.00 |
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Cable for connecting above RS232/422 converters to a PC (9 pin D comms port)