

## Thermo Scientific™ Model 82i Mercury Probe Controller

### Spare Parts Recommendations

| Part Number | Description   | Age of Instrument or Fleet (Years) |   |   |   |   |
|-------------|---|------------------------------------|---|---|---|---|
|             |   | 1                                  | 2 | 3 | 4 | 5 |
| 4510        | Fuse, Glass tube, 3 Amp SB 250v                     | x                                  |   |   |   |   |
| 8630        | Fan Guard Assembly (W/Foam)                         | x                                  |   |   |   |   |
| 103428-01   | Fuse, 250VAC, 10.0 AMP, Slow Blow (220-240VAC)      | x                                  |   |   |   |   |
| 2136.335    | Solenoid Valve, 115V                                |                                    | x |   |   |   |
| 103501-03   | Fuse, 3 AMP, 3AG, 250v                              |                                    | x |   |   |   |
| 103501-04   | Fuse, 4 AMP, 3AG, 250v                              |                                    | x |   |   |   |
| 103131-00   | Measurement Interface Bd, 82i                       |                                    | x |   |   |   |
| 101681-00   | Power Supply Assembly, 24VDC                        |                                    |   | x |   |   |
| 103212-00   | Vacuum Transducer Assy 15PSIA                       |                                    |   | x |   |   |
| 103220-01   | Pressure Transducer Assembly, 3-27psig              |                                    |   | x |   |   |
| 103220-02   | Pressure Transducer Assembly, 2-60psig              |                                    |   | x |   |   |
| 103271-00   | Power Distribution Board Assembly                   |                                    |   | x |   |   |
| 103343-00   | Mechanical Relay                                    |                                    |   | x |   |   |
| 103344-00   | Solid state relay, 25 Amp                           |                                    |   | x |   |   |
| 103344-01   | Solid state relay, 50 Amp                           |                                    |   | x |   |   |
| 5365        | Female Pins (60617-1)                               |                                    |   |   |   |   |
| 5512        | Teflon Tubing 1/4"                                  |                                    |   |   |   |   |
| 7346        | Connector, 3-Pin W/8610                             |                                    |   |   |   |   |
| 12118       | Switch Power Mode Sp3t                              |                                    |   |   |   |   |
| 14995       | Conn, 2-Pin Apm#172165-1                            |                                    |   |   |   |   |
| 100907-00   | Fan, 24Vdc  |                                    |   |   |   |   |
| 101033-00   | Cable Assy, Power Switch To Fuse Assembly           |                                    |   |   |   |   |
| 101035-00   | Cable Assy, 24V Ps Ac Input                         |                                    |   |   |   |   |
| 101036-00   | Cable Assy, 24V Ps Dc Output                        |                                    |   |   |   |   |
| 101048-00   | Cable, Rs485 Mother Bd To Interface Bd              |                                    |   |   |   |   |
| 101267-00   | Cable, Fan Power                                    |                                    |   |   |   |   |
| 101364-00   | Assembly Cable, Power Status                        |                                    |   |   |   |   |
| 101377-00   | Cable, Ac To Power Switch                           |                                    |   |   |   |   |
| 101688-00   | Thermistor With Ambient Temperature Connector, Assy |                                    |   |   |   |   |
| 102606-00   | Manual, lport                                       |                                    |   |   |   |   |
| 103211-00   | Electronic Pressure Regulator, 2-60PSIG Out         |                                    |   |   |   |   |
| 103211-01   | Electronic Pressure Regulator, 3-27PSIG Out         |                                    |   |   |   |   |
| 103213-00   | Pneumatic Transducer Assembly                       |                                    |   |   |   |   |
| 103218-00   | Pressure Transducer Assembly, 100 PSIG              |                                    |   |   |   |   |
| 103233-00   | Cable, thermal fuse                                 |                                    |   |   |   |   |
| 103273-00   | Cable, power module to switch                       |                                    |   |   |   |   |
| 103274-00   | Cable, switch to power module                       |                                    |   |   |   |   |
| 103283-00   | Cable, power supply to power distribution board     |                                    |   |   |   |   |
| 103287-02   | Cable, SSR relay to interface                       |                                    |   |   |   |   |
| 103290-01   | Cable, relay k to interface board                   |                                    |   |   |   |   |

| Part Number | Description                                       |
|-------------|---|
| 103290-02   | CABLE, RELAY K5 TO INTERFACE BOARD                |
| 103299-00   | Cable, RS485                                      |
| 103314-00   | Cable, Tc To Interface Board                      |
| 103323-02   | Power Relay Assembly                              |
| 103335-00   | Cable, Interface To Connector D                   |
| 103336-00   | Cable, Connector A To Circuit Breaker             |
| 103341-00   | Varistor  |
| 103352-00   | Cable, 4-20Ma To Connector C                      |
| 103359-00   | Power Cord Assembly, 220Vac                       |
| 103370-00   | Solenoid Valve Assembly                           |
| 103381-00   | Cable, Relay Power Distr.to Connector B/Heater    |
| 103421-00   | Cable, Interface To K4                            |
| 103454-02   | Circuit Breaker To Umbilical Relay, Black         |
| 103462-00   | Cable, Power (Ups)                                |
| 103464-01   | Circuit Breaker To Umbilical Relay, White         |
| 103464-02   | Circuit Breaker To Umbilical Relay, Black         |
| 103465-00   | Cable, Relay Interconnects                        |
| 103465-01   | Relay Interconnects, Black                        |
| 103465-02   | Relay Interconnects, Gray                         |
| 103469-00   | Cable Assembly, Valves (Dilution & Eductor)       |
| 103487-00   | Power Supply Assy, 24Vdc, W/Plate And Cables      |
| 103488-00   | Cable, Dc Out For Power Supply                    |
| 103491-00   | CABLE, RELAY BOX TO DISTRIBUTION BOARD            |
| 103493-00   | CABLE, INTERCONNECTING WIRE ASSEMBLY              |
| 103495-00   | 220VAC POWER CORD ASSEMBLY -LOCKING               |
| 103497-00   | CABLE, POWER DISRIBUTION BOARD TO INTERFACE BOARD |
| 103813-00   | Transformer, Step Down 220v                       |

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|------------------------------------|---|---|---|---|
| 1                                  | 2 | 3 | 4 | 5 |
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This product is manufactured in a plant whose quality management system is ISO 9001 certified.

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