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MODEL 3030PM MICROFID ANALYSER SPECIFICATION

<p>Detector Flame Ionisation Detector (FID) with cylindrical collector, flame-out sensor and igniter housed in self contained separately controlled heater assembly</p> <p>Ignition Automatic fuel enrichment and re-ignition (after flame-out)</p> <p>Response 95% of reading within 1.5 seconds</p> <p>Zero Drift Less than 2% in 8 hours</p> <p>Detector Noise 0.03ppm Propane</p> <p>Linearity Better than 0.5% on standard ranges. Linearisation available for special ranges</p> <p>Temperature Effects Ambient change from 10 to 30°C shows less than 1% FSD</p> <p>Oxygen Response At 100ppm C₃H₈ in air to Nitrogen, less than 2% (with He/H₂ fuel)</p> <p>Fuel 60 ml per minute Hydrogen fuel 180 ml per minute He/H₂ fuel</p>	<p>Fuel Cylinders One Litre water capacity, with up to 50 hours operation with hydrogen fuel</p> <p>Air Detector uses 600 ml per min of hydrocarbon-free air, supplied by built in catalytic air purifier</p> <p>Sample System 316 grade stainless steel</p> <p>Sample Filter Removable 0.4 micron glass-fibre filter cartridge</p> <p>Sample Manifold Temperature Adjustable to 200°C, stable to ±1%</p> <p>Display Green 4 digit LED and bar graph</p> <p>Outputs 0-10V DC, 4-20mA, RS232</p> <p>Flame-Out SPDT contact is provided for flame-out</p> <p>Remote Range Change Via RS232 or switched logic input</p> <p>Autocalibration Controlled by microprocessor, RS232 or switched logic</p>	<p>Power 240/220 Volts 50Hz or 110 Volts 50Hz consumption, 400Watts</p> <p>Heated Sample Line Length 5 metres (other lengths optional) Power from 90 Watt per metre temperature controller at 4.5 volts per metre, 18 amps</p> <p>Heated Line Temperature Controller Free standing with zero crossing control unit and isolation transformer. Primary and secondary circuits are fully fused for complete protection</p> <p>Safety All high voltage/current circuits are shielded within the analyser. Flame sensor interlocks flame-out and shut off valves, isolating the fuel gas line. Power failure automatically isolates both fule and sample lines</p> <p>Options Hydrogen or Hydrogen/Helium fuel special high ranges</p> <p>Dimensions 500mm (l) x 210 (w) x 340 (h)</p> <p>Approximate Weight 15Kg</p>
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