APPENDIX 5

SPECIFICATIONS OF THE COMBUSTION ANALYSER

<table>
<thead>
<tr>
<th>Make</th>
<th>Optrand make combustion pressure sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>AutoPSI-S AutoPSI-TC and Auto PSI-HT Sensors</td>
</tr>
</tbody>
</table>

1. Specifications

Over Pressure : 2 x Pressure Range (typical)

Non-Linearity & Hysteresis : ±0.5% FS under non-combustion Conditions, under constant temperature
±1% FS under combustion conditions,
  i.e., varying temperature within one Combustion cycle

Diaphragm Resonant Frequency : 120 kHz min.

Frequency Range : 0.1 Hz to 20 kHz (Standard)

Sensor Housing Temperature Range: -40°C to 350°C

Cable Operating Temperature : -40°C to 200°C
Fiber optic Cable Length : 1.5m (5’)

Bending Radius : 5mm (3/16”)

Sensor Type : Sealed Gauge

Interface Unit : Integrated with Sensor

Pressure Output Signal : 9-18V DC input: 0.5 – 4.5 V

(A) 5V DC input : 0.5 - 4.5 V

Diagnostic Output Signal : 9-18V DC input: 0.5 – 2.5 V

(A) 5V DC input : 0.5 – 2.5 V

Power Supply Voltage : 9-18V DC or 5V DC

Current Draw : 85 mA Max, 50 mA Typical

Interface Temperature Range : AutoPSI-S,A,TC:-20°C to 60°C

AutoPSI-HT : -20°C to 125°C

Pressure Media : Gaseous or Liquid

Vibration : 100G

Guaranteed Lifetime : 1, 2 or 3 Years depending on sensor package or application