

146-186/7 Portec thermosensor selector g

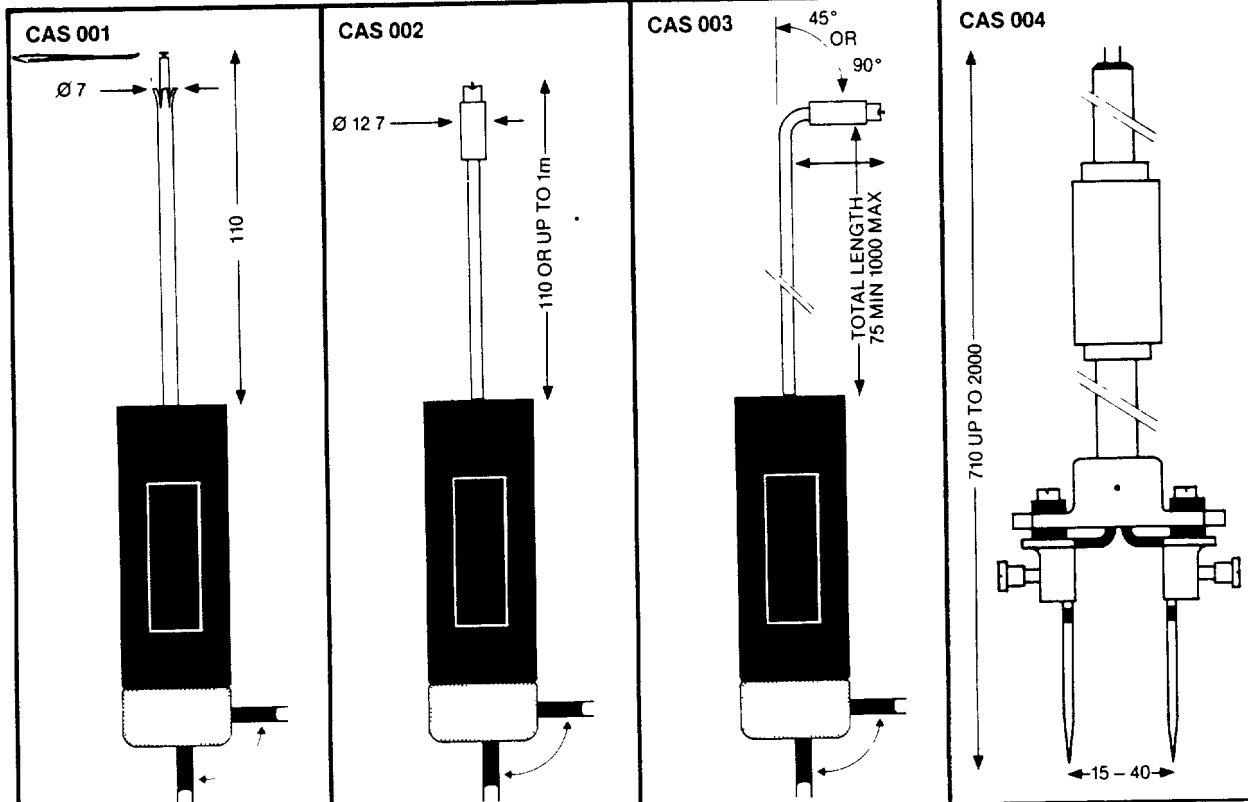
1. All sensors fitted with 1 m P.V.C. cable and a thermocouple plug except where stated.

2. P.T.F.E. (250°C) or Glassfibre (400°C) cables can be supplied for high temperature use.

Armoured cable (standard for CA HM 004) is also available.

3. Handles, where fitted, are moulded in A.B.S. with an E.V.A. grommet through which the cable is led.

Resistant to fuels, oils, acids, water, bleach and many common solvents. Maximum temperature 110°C.



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|-----------------------------|---|---------------------------|---------------------------------|---|
| TITLE | HIGH ACCURACY SURFACE | HEAVY DUTY SURFACE | CRANKED HEAVY DUTY SURFACE | INDUSTRIAL SPIKE |
| MAX. TEMP | 850°C | 1100°C | 1100°C | 1300°C |
| TYPICAL APPLICATIONS | HEATING PLATEN RADIATORS UPHOLSTERY | HOT PLATES MOULD TOOLS | INJECTION MOULDS WATER PIPES | METAL INGOTS STEEL HIP JOINTS RAILS |
| RESPONSE TIME | 0.8 SECS | 0.3 SECS | 0.3 SECS | 0.1 TO 1 SECS. |

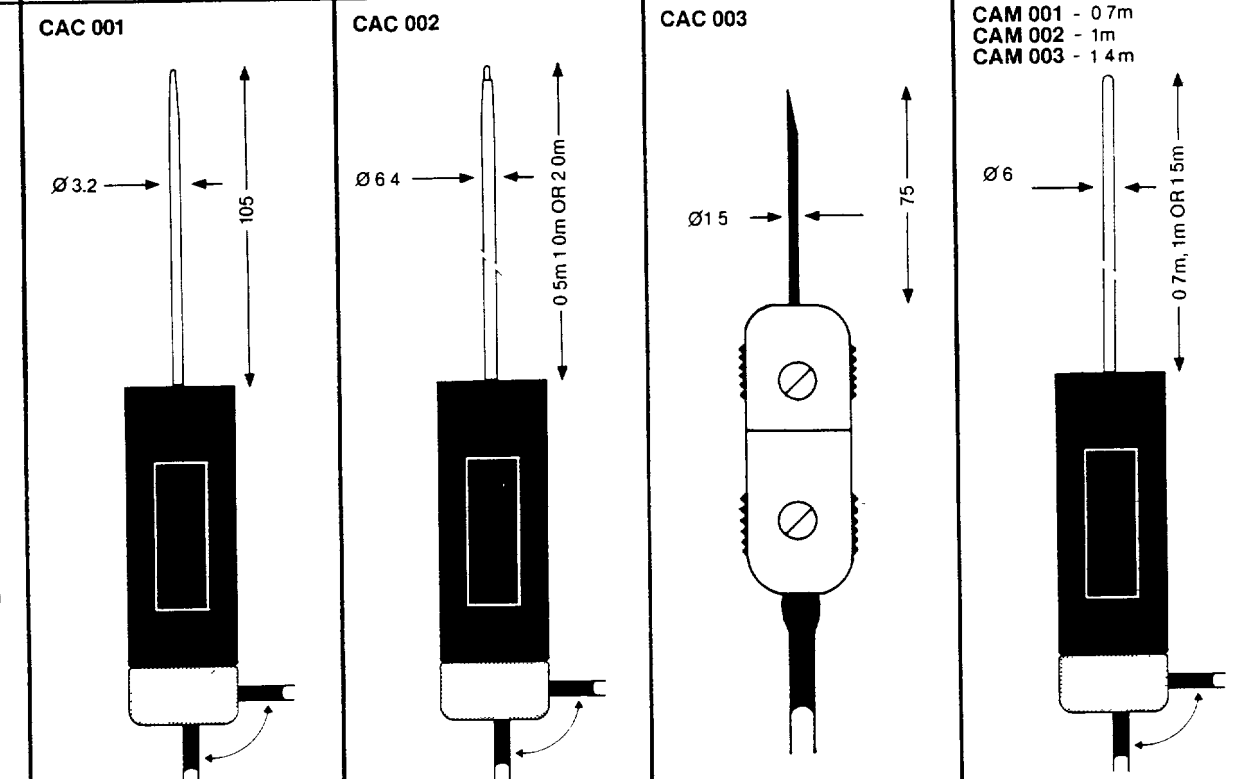
4. All dimensions in mm except where stated. All dimensions approximate, See Note 7.

5. Accuracy to BS 1041, thermocouples to BS 4937.

6. Time constants for 63% change. 99% takes 5 x this time.

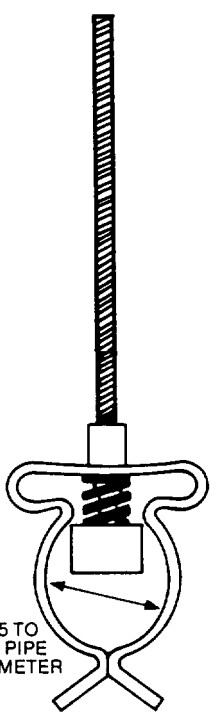
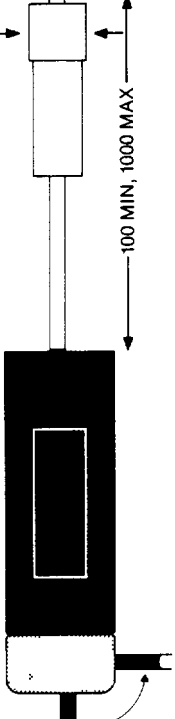
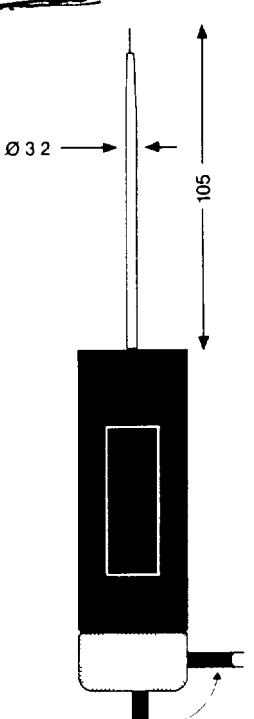
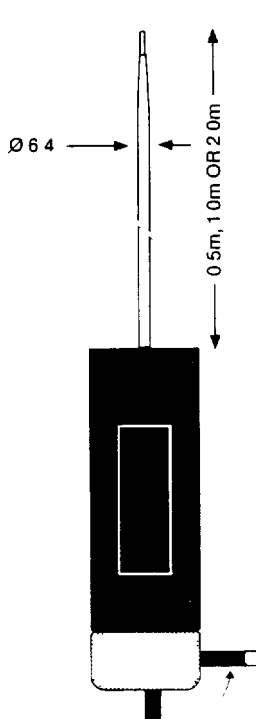
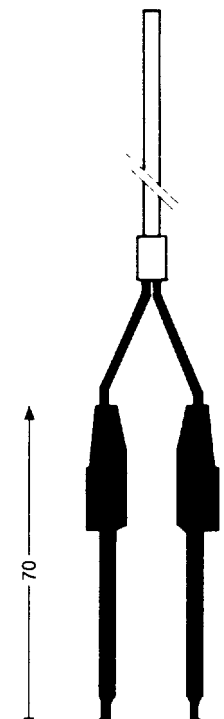
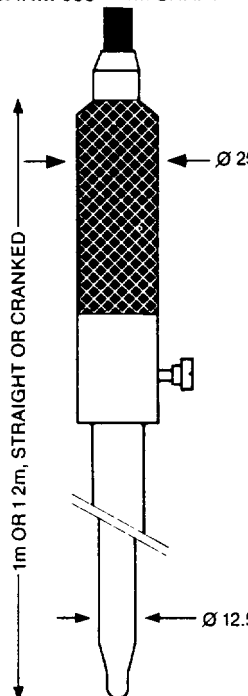

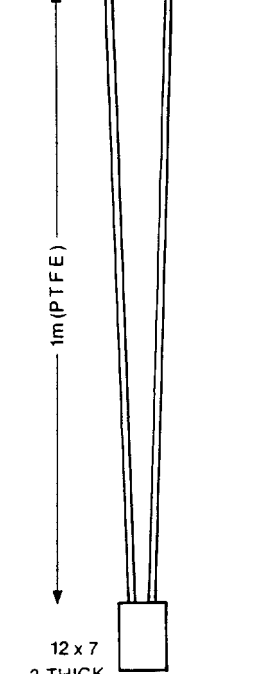
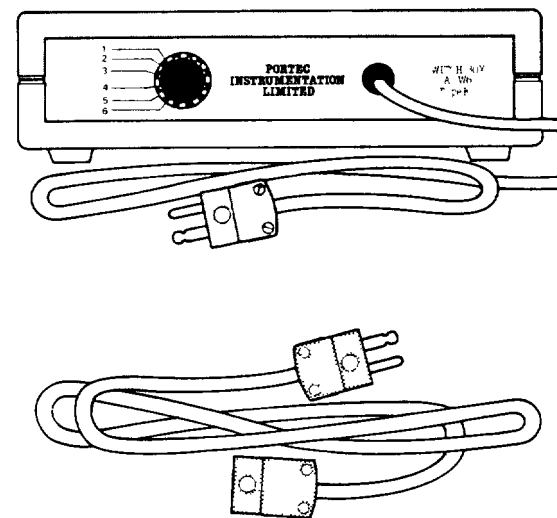
7. Need more information? Got a special problem?

Phone us on Luton (0582) 32613 and ask for Technical Services Department.



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|-----------------------------|--|--|--|-------------------------------|
| TITLE | CHISEL | HEAVY DUTY CHISEL | HYPODERMIC | SEMI FLEXIBLE MELT |
| MAX. TEMP | 850°C | 850°C | 400°C | 800 or 1100°C |
| TYPICAL APPLICATIONS | BUTTER SEALING MASTIC FRESH MEAT | VINEGAR VAT TARMACADAM FROZEN FOOD | FROZEN POULTRY PLASTIC EXTRUSION FRUIT | GRAIN ZINC MELT BITUMEN |
| RESPONSE TIME | 0.5 SECS | 8 SECS | 0.3 SECS | 5 SECS |

The Sensors illustrated are a general selection of just a few of the many different Portec sensors available. In the event you do not find a suitable sensor for your requirements please contact our Technical Services Department. Individual sensors can also be manufactured to suit your specific requirements.

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|--|--|--|---|--|
| <p>CAS 006</p>  <p>Ø 25 TO 50 PIPE DIAMETER</p> | <p>CAS 007</p>  <p>Ø 25</p> <p>100 MIN, 1000 MAX</p> | <p>CAA 001 146-187</p>  <p>Ø 32</p> <p>105</p> | <p>CAA 002</p>  <p>Ø 64</p> <p>0.5m, 1.0m OR 2.0m</p> | <p>CAA 007</p>  <p>70</p> |
| <p>PIPE CLAMP</p> | <p>ROLLER</p> | <p>AIR/LIQUID</p> | <p>HEAVY DUTY AIR/LIQUID</p> | <p>FREE CLIPS</p> |
| <p>400°C</p> | <p>250°C</p> | <p>1100°C</p> | <p>1100°C</p> | <p>(105°C)</p> |
| <p>MOULDING BARRELS CENTRAL HEATING</p> | <p>PAPER ROLLERS CONVEYORS TEXTILE ROLLERS</p> | <p>VENTILATION WATER EFFLUENT THERMOWELLS</p> | <p>FLUE GASES LIQUID CAUSTIC SODA MACHINING OIL</p> | <p>EXPERIMENTAL</p> |
| <p>8 SECS</p> | <p>2 SECS</p> | <p>0.2 SECS (30 IN AIR)</p> | <p>8 SECS (120 IN AIR)</p> | <p>—</p> |
| <p>CAHM 004 - HANDLE CAHM 005 - 0.7m SHAFT CAHM 006 - 1m SHAFT</p>  <p>Ø 25</p> <p>Ø 12.5</p> <p>1m OR 1.2m, STRAIGHT OR CRANKED</p> | <p>CAT 001 - 1m CAT 002 - 2m CAT 003 - 3m CAT 004 - 5m</p>  <p>1m, 2m OR 5m</p> | <p>CAT 005</p>  <p>1m (P.T.F.E)</p> <p>12 x 7 3 THICK</p> | <p>CASW 6</p>  <p>PORTEC INSTRUMENTATION LIMITED</p> <p>1m, 2m, 5m, 10m OR MORE</p> <p>As part of our continuous development we reserve the right to alter any part of the specification without prior notice</p> | |
| <p>HEAVY DUTY MELT</p> | <p>P.T.F.E SLEEVED</p> | <p>SELF ADHESIVE PATCH</p> | <p>SWITCH BOX</p> | <p>EXTENSION</p> |
| <p>1100°C OR 1300°C</p> | <p>250°C</p> | <p>250°C</p> | <p>(70°C)</p> | <p>(P.V.C. - 105°C) NOTE 2</p> |
| <p>ALUMINIUM GUN METAL MOLTEN BRASS</p> | <p>LAB EXPERIMENTS FRIDGES OVENS</p> | <p>ENGINE BLOCK TIN CANS</p> | <p>PROCESS MONITOR LAB. WORK</p> | <p>USE TO EXTEND PROBE LEAD LENGTHS</p> |
| <p>10 SECS</p> | <p>0.1 SECS (5 IN AIR)</p> | <p>0.02 SECS.</p> | <p>—</p> | <p>—</p> |