

BS 5235 : 1975

UDC 536.51.085.313:536.582

Specification for
**Dial-type expansion
thermometers**

This British Standard, having been approved by the Industrial-process Measurement and Control Industry Standards Committee, was published under the authority of the Executive Board on 29 August 1975.

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The following BSI references relate to the work on this standard:
Committee reference PCE/1 Draft for comment 71/34892

Co-operating organizations

The Industrial-process Measurement and Control Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government department and scientific and industrial organizations:

- | | |
|--|--|
| *British Gas Corporation | Electronic Engineering Association |
| *British Industrial Measuring and Control Apparatus Manufacturers' Association | *Engineering Equipment Users' Association |
| British Steel Corporation | Institute of Measurement and Control |
| Chemical Industries Association | Institution of Chemical Engineers |
| Control and Automation Manufacturers' Association (BEAMA) | Institution of Electrical Engineers |
| *Council of British Manufacturers of Petroleum Equipment | Institution of Gas Engineers |
| Department of Industry | *Oil Companies Materials Association |
| Electrical Research Association | *Scientific Instrument Manufacturers' Association of Great Britain |
| *Electricity Supply Industry in England and Wales | SIRA Institute |

The scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard.

- | | |
|--|---|
| British Non-Ferrous Metals Technology Centre | Institution of Mechanical Engineers |
| British Steel Industry | Ministry of Aviation Supply |
| Department of the Environment | Ministry of Defence |
| Institute of Metals | National Physical Laboratory – Department of Industry |
| Institute of Petroleum | Society of Chemical Industries |
| Institute of Physics | |

Amendment No. 1
published and effective from 31 October 1986
to BS 5235 : 1975

Specification for dial-type
expansion thermometers

Revised text

AMD 5208
October 1986

Foreword

In line 5 of paragraph 1, delete 'Part 2 'Metric units', '.

AMD 5208
October 1986

Clause 4.3.2

In line 2 delete ': Part 2'.

In the note, delete 'BS 1780 : Part 2' and substitute 'BS 1780'.

AMD 5208
October 1986

Table 3. Scale ranges for liquid and gas filled thermometers

In the left-hand column, delete the first entry and substitute '-160 °C to +40 °C'.

In the right-hand column, after the first entry insert '+40 °C to +160 °C'.

In the same column, delete the last entry and substitute '+50 °C to +650 °C'.

AMD 5208
October 1986

Table 4. Scale ranges for vapour pressure thermometers

In the column headed 'Preferred scale range', delete the fourth entry and substitute '+20 °C to +120 °C'.

After this entry insert '+40 °C to +160 °C' and in the column headed 'Effective scale range', against '+40 °C to +160 °C' insert '+80 °C to +160 °C'.

AMD 5208
October 1986

Clause 7.4.1 Dial

In the last line of paragraph 2, delete 'BS 1991' and substitute 'BS 5775'.

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October 1986

Figure 5. Temperature ranges

Delete the figure and substitute the new figure 5 attached.

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October 1986

Figure 6. Examples of scale markings for liquid and gas filled thermometers

Delete the figure and substitute the new figure 6 attached.

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Figure 7. Examples of scale markings for vapour pressure thermometers

Delete the figure and substitute the new figure 7 attached.

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BSI publications referred to in this standard

Delete line 2 of the entry for BS 1780.

Delete the entry for BS 1991.

After the entry for BS 3693 insert the following.

'BS 5775 Specification for quantities, units and symbols'.

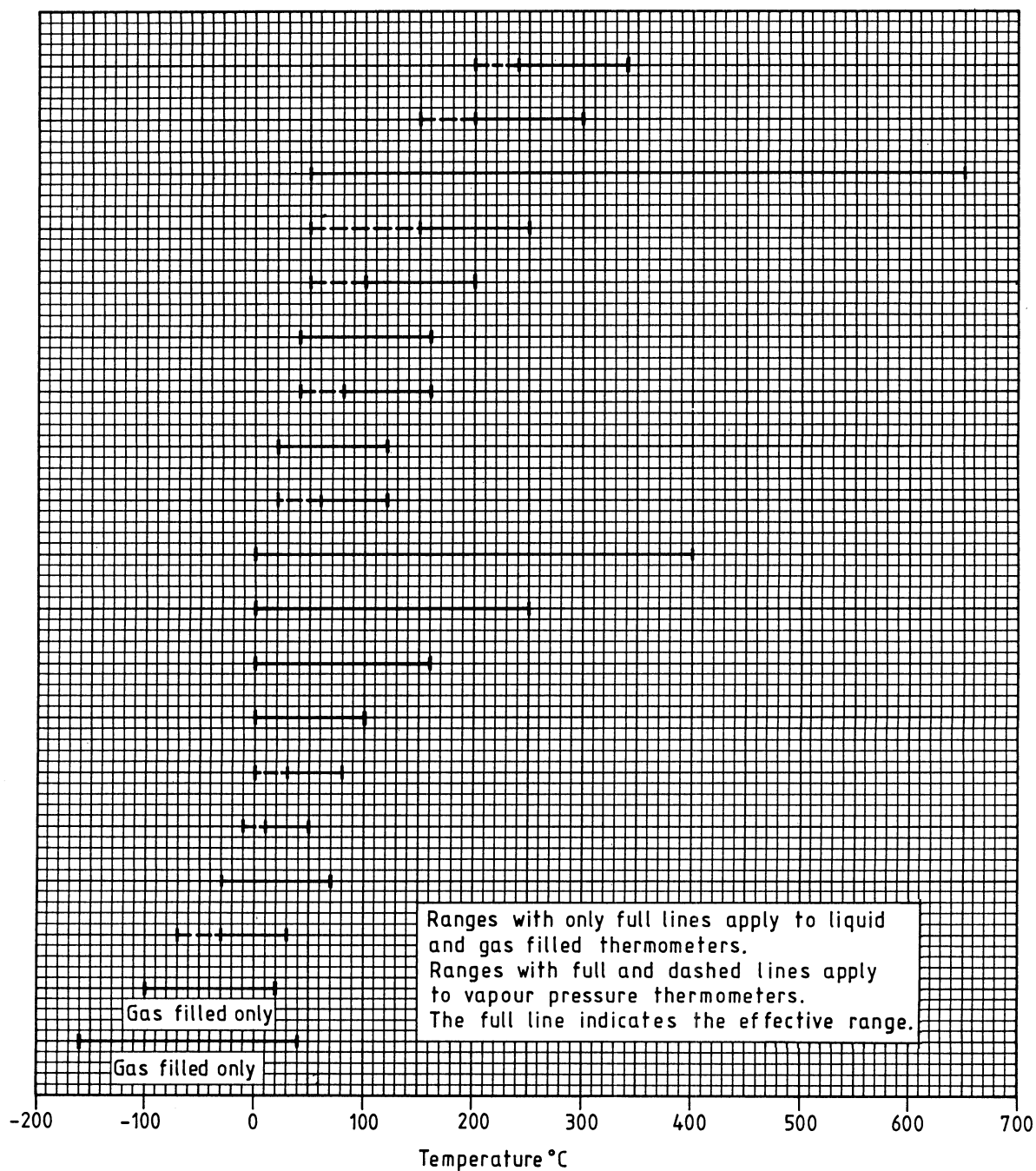


Figure 5. Temperature ranges

Scales (1), (3), (5), (8), (10) are in resolution class 0.67 – 1.25 %
 Scales (2), (4), (7), (9) are in resolution class 0.33 – 0.62 %
 Scale (6) has resolution 0.625 %

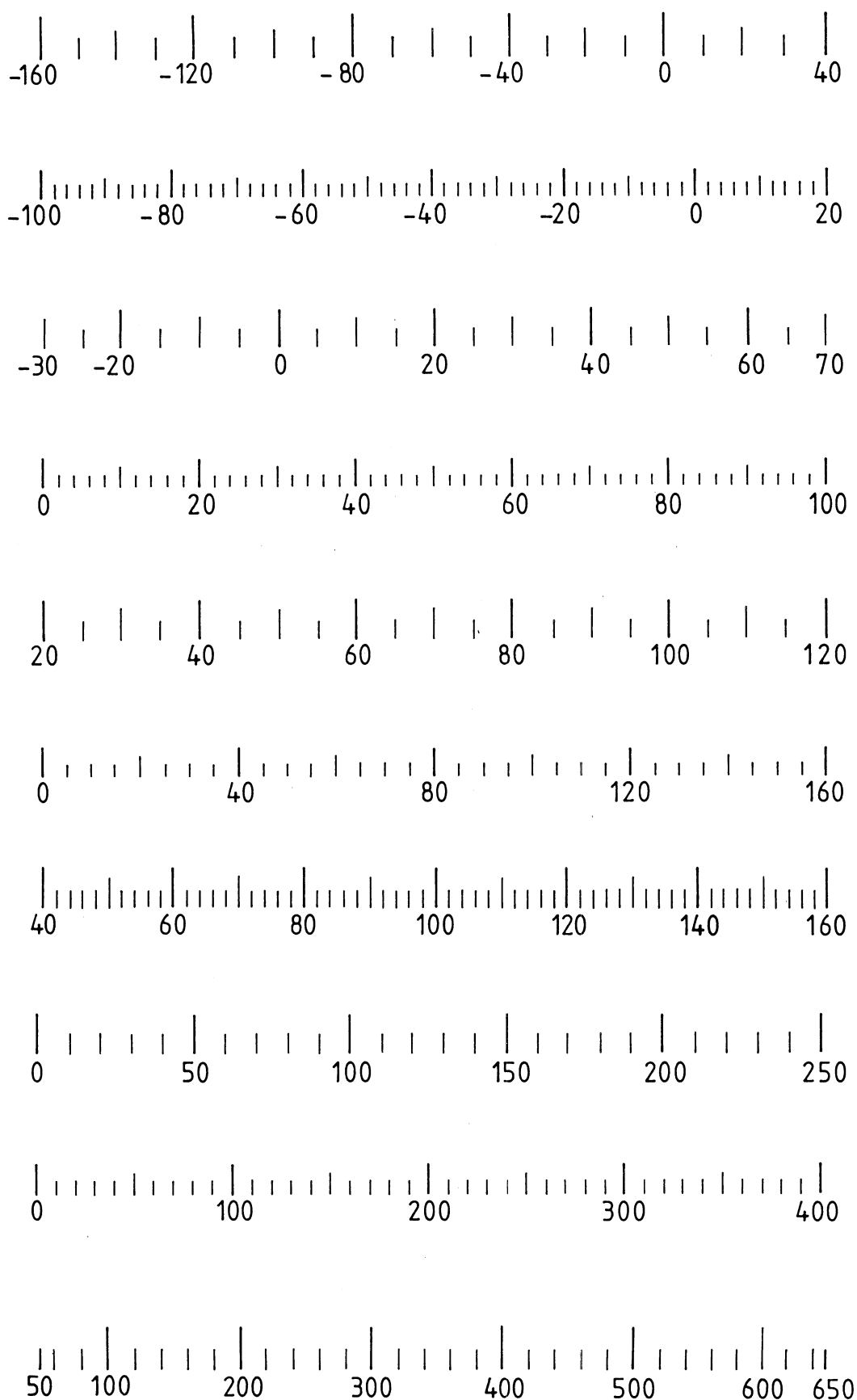


Figure 6. Examples of scale markings for liquid and gas filled thermometers

