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## Refractory materials — Determination of thermal conductivity —

### Part 1: Hot-wire methods (cross-array and resistance thermometer)

*Matériaux réfractaires — Détermination de la conductivité thermique —*

*Partie 1: Méthodes du fil chaud («croisillon» et «thermomètre à résistance»)*



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## Contents

Page

Foreword .....	iv
<b>1 Scope .....</b>	<b>1</b>
<b>2 Terms and definitions .....</b>	<b>1</b>
<b>3 Principle.....</b>	<b>2</b>
<b>4 Apparatus .....</b>	<b>2</b>
<b>5 Test pieces .....</b>	<b>8</b>
<b>6 Procedure .....</b>	<b>9</b>
<b>7 Assessment of results .....</b>	<b>10</b>
<b>8 Calculation and expression of results .....</b>	<b>11</b>
<b>9 Precision.....</b>	<b>11</b>
<b>10 Test report.....</b>	<b>11</b>
<b>Annex A (informative) Data conversion of change in resistance to change in temperature .....</b>	<b>13</b>
<b>Annex B (informative) Examples of thermal conductivity measurements.....</b>	<b>18</b>

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8894-1 was prepared by Technical Committee ISO/TC 33, *Refractories*.

This second edition cancels and replaces the first edition (ISO 8894-1:1987), which has been revised to include a hot-wire "resistance thermometer" method, as well as the hot-wire "cross-array" method and to harmonize the text with that of EN 993-14:1998, *Methods of testing dense shaped refractory products — Part 14: Determination of thermal conductivity by the hot-wire (cross-array) method*, prepared by CEN/TC 187.

ISO 8894 consists of the following parts, under the general title *Refractory materials — Determination of thermal conductivity*:

- *Part 1: Hot-wire methods (cross-array and resistance thermometer)*
- *Part 2: Hot-wire method (parallel)*