
Specification for
Portable bore-hole logging equipment
(down to 300 m): general characteristics

Spécification pour équipement portatif de radiocarottage
(jusqu'à 300 m): caractéristiques générales

Spezifikation für tragbare Bohrungsregistrieranlage
(bis zu einer Tiefe von 300 m): allgemeine Eigenschaften

National foreword

This British Standard is identical with IEC 576 : 1977 Portable bore-hole logging equipment (down to 300 m) : General characteristics. The national appendix, on page 18, is part of IEC 421 (see note 2 below).

The standard has been prepared under the direction of the Nuclear Engineering Standards Committee and the United Kingdom took part in the work of the International Electrotechnical Commission (IEC) Technical Committee No. 45, which prepared IEC 576.

The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the national committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

They have the form of recommendations for international use and they are accepted by the national committees in that sense.

Terminology. The text of the international standard has been accepted as suitable for publication, without deviation, as a British Standard.

Some terminology is not identical with that used in British Standards; attention is especially drawn to the following.

Wherever the word 'Standard', referring to this publication, appears, it should be interpreted as 'British Standard'.

Cross references. For each of the following international standards that are referred to in the text, there is an equivalent British Standard; these are as listed below:

International standard	Corresponding British Standard
IEC 68-2-30 : 1969	BS 2011 : 1977 Basic environmental testing procedures Part 2.1 Db : 1977 Damp heat, cyclic (12 + 12-hour cycle)
IEC 86 : 1976	BS 397 : 1976 Specification for primary cells and batteries
IEC 258 : 1968	BS 90 : 1975 Direct acting electrical recording instruments and their accessories
IEC 348 : 1971	BS 4743 : 1971 Safety requirements of electronic measuring apparatus
IEC 359 : 1971	BS 4889 : 1973 Method for specifying the performance of electronic measuring equipment
IEC 412 : 1973	BS 5210 : 1975 Standard dimensions of scintillators

(All the above standards are identical or technically equivalent)

NOTE 1. The reference to the following international standards, for which there are no corresponding British Standards, constitutes informative matter only, and since no mandatory requirements are involved, the validity of this British Standard is not affected.

IEC 50 (391) : 1975 — IEC Chapter 391

Detection and measurement of ionizing radiation by electrical means

IEC 201 : 1965 Power sources for portable prospecting equipment for radioactive materials

IEC 253 : 1967 Power supply for air and land vehicle-mounted prospecting equipment for radioactive materials

NOTE 2. There is no corresponding British Standard for IEC 421 : 1973 Portable prospecting radiation meters with Geiger-Muller counter tube (linear scale instruments). The Committees responsible for them having been consulted, their technical requirements are hereby confirmed as being acceptable. The relevant portions of the text are reproduced in this standard as a national appendix and, insofar as they are called up in the main body of this dual-numbered standard as requirements to be complied with, they are to be regarded as mandatory for the purposes of this standard.

NOTE 3. *Textual errors.* When the text of this international standard was adopted, the printing errors, listed below, were noticed. They have been corrected in this British Standard and have been reported to IEC in a proposal to amend the text of the international standard.

Clause 7 (pages 4 and 5) and subclause 14.6.2 (page 13). The circuit time constants 'RC' have been deleted and replaced by 'RC'.
Table 1. 'k Pa' has been deleted and replaced by 'kPa'.