

Vehicle parking control equipment

Part 6. Specification for pay-on-foot parking control equipment

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee B/509, Road equipment, to Subcommittee B/509/20, Vehicle parking control equipment, upon which the following bodies were represented:

- Association of Chief Police Officers of England and Wales
- Association of District Councils
- Association of London Authorities
- Association of Metropolitan Authorities
- British Parking Association
- Department of Transport (Highways Agency)
- Institution of Civil Engineers
- Institution of Highways and Transportation
- Parking Committee for London
- Royal Automobile Club
- Co-opted members

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Contents

Committees responsible	Page
Foreword	Inside front cover
Specification	ii
1 Scope	1
2 References	1
3 Definitions	1
4 General requirements	2
5 Electrical requirements	3
6 Operational requirements	4
7 Coin/token box	5
8 Bank note box	5
9 Change giving unit	5
10 Displays	5
11 Ticket issue	6
12 Tickets	6
13 Information and instructions	6
14 Resistance to weathering	7
15 Type test	7
16 Marking	7
17 System integrity	7
Annex	
A (normative) Type test	8
List of references	Inside back cover

Foreword

This Part of BS 6571 has been prepared by Subcommittee B/509/20. It is a new Part of BS 6571.

Other Parts are as follows:

- Part 1 *Specification for coin operated clockwork parking meters*
- Part 2 *Specification for electrically powered parking meters*
- Part 3 *Specification for pay and display equipment*
- Part 4 *Specification for barrier type parking control equipment*
- Part 5 *Guide to the requirements for non-coin operated apparatus for use with parking control equipment*

Further Parts are under consideration, in particular:

- Part 7 *Specification for parking discs including orange badges*
- Part 8 *Specification for pre-purchased parking vouchers*
- Part 9 *Specification for in-car electronic devices*
- Part 10 *Code of practice for ancillary parking equipment and parking signs*

Whilst it is not within the scope of this standard, attention is drawn to the guidance of the Design Council on the aesthetic qualities of street furniture.

Product Certification. Users of this British Standard are advised to consider the desirability of third party certification of product conformity with this British Standard based on testing and continuing product surveillance which may be coupled with assessment of a supplier's quality systems against the appropriate Part of BS 5750.

Enquiries as to the availability of third party certification schemes are forwarded by BSI to the Association of Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching an appropriate body from the list of Association members.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Specification

1 Scope

This Part of BS 6571 specifies requirements for equipment for use with pay-on-foot parking control systems for off-street car parks in respect of the following items:

- a) an automatic payment station;
- b) a manned cashier payment station;
- c) a manned management payment station;
- d) a ticket reading mechanism to control entry/exit barriers.

This equipment would be installed to operate in conjunction with barriers, card acceptance units and ticket dispensing mechanisms.

2 References

2.1 Normative references

This Part of BS 6571 incorporates, by dated or undated reference, provisions from other publications. These normative references are made at the appropriate places in the text and the cited publications are listed on the inside back cover. For dated references, only the edition cited applies; any subsequent amendments to or revisions of the cited publication apply to this Part of BS 6571 only when incorporated in the reference by amendment or revision. For undated references, the latest edition of the cited publication applies, together with any amendments.

2.2 Informative references

This Part of BS 6571 refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this Part of BS 6571 the following definitions apply.

3.1 ticket dispenser

Mechanism designed to mark and/or encode and issue a ticket for parking. It may incorporate additional features, e.g. 'back-off ticket' cancellation, invalidation, swallowing, multi or single slot device acceptance units, intercom.

3.2 automatic payment station

Unit designed to accept, read and verify the information encoded on the ticket issued by a ticket dispenser, calculate the fee due, accept valid payment and provide a ticket which will operate the exit barrier by either recoding the original ticket or issuing an alternative ticket.

3.3 manned cashier payment station

Manned payment station which enables the customer to pay on foot the fee computed from the entry ticket with process facilities for ticket validation which provides a ticket which will operate the exit barrier by either recoding the original ticket or issuing an alternative ticket.

3.4 manned management station

Facility for managing and operating a car park system and, where not otherwise provided, including the facilities defined in 3.3.

3.5 ticket reading mechanism

Device for reading a suitably encoded ticket from an automatic payment station or manned cashier payment station or ticket dispenser, and capable of transmitting a signal to operate the parking barrier.

3.6 ticket

Paper, card or plastic document issued on entry to the car park, or by the automatic or manned payment stations, which carries encoded or machine-readable information.

3.7 accuracy of timing

Period, in seconds, over a course of a month in respect of the real time control.

3.8 real time control

Device to establish chronological time within the equipment for the purpose of parking fee calculations.

3.9 real time display

Device for visibly displaying current time, in hours and minutes, from the real time control.

3.10 coin/token acceptance

Function involving the correct operation of the equipment as a result of the insertion of a valid coin or token.

3.11 bank note acceptance

Function involving the correct operation of the equipment as a result of the insertion of a valid bank note.

3.12 device acceptance

Function involving the correct operation of the equipment as a result of the correct use of a valid payment device of a type or types agreed by the operator with the manufacturer.

3.13 valid coin

Any coin accepted as legal tender of a denomination agreed by the operator with the manufacturer.