ABR Series - Balance Reader

TECHNICAL SPECIFICATIONS

Version 1.6 11-2005

ABR Series – Balance Reader

1.0 Introduction

**Tailor-made for
our customers!**

ACS supplies a wide range of balance reader (value checkers) to suit various applications. Our experienced engineers produce software and hardware in-house and can deliver in a short lead-time. These portable devices can be configured for use in different applications such as simple balance checking, viewing transaction records, and identity verification, campus environment (class attendance, library record, etc.), and more. Our balance readers can also be easily customized to satisfy customer requirement (type of cards to be read, functions of the reader, color, casing, etc.)

ABR balance reader can be used for checking the balance on your electronic purse card (e.g. Visa Cash, Mondex, Gemplus cash card, prepaid payphone card (Eurochip 4436), and ePark card. You can also view the latest transactions on your card and use it to show the user information such as name and contact number.

2.0 OEM/ODM

You may need your own brand printed on the balance reader for promotion purposes. OEM & ODM enquiries are most welcomed. You can choose your own color and print, even your own design. We can also make other adaptations according to your requirements.

These handy-sized balance reader can encourage the use of e-purses by consumers. The users can easily check the status of his/her e-purse to verify their expenditures and their balances. This means that the e-purse as a new method of payment can be used with confidence.
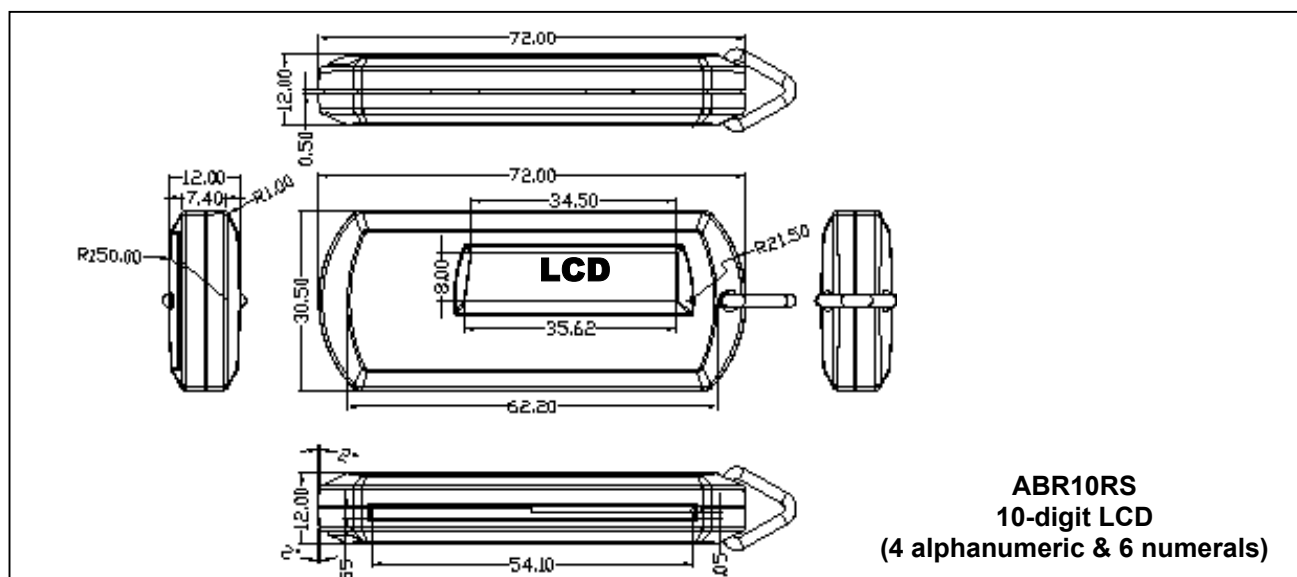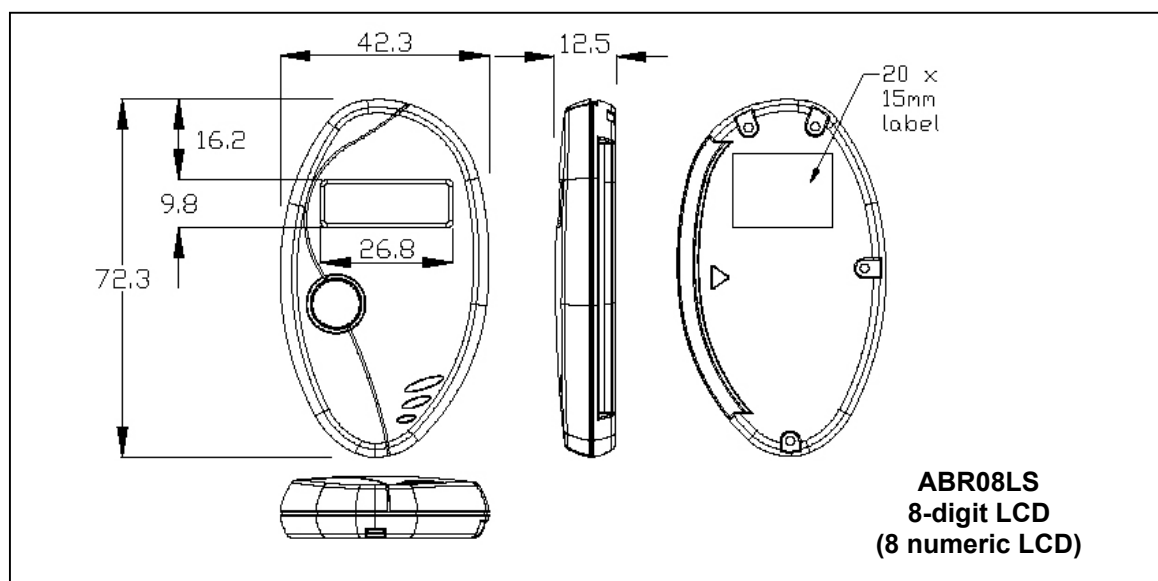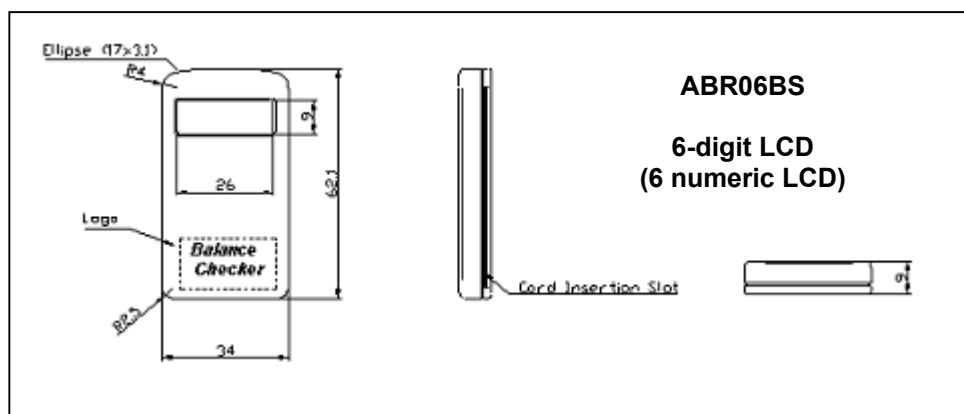
3.0 Features

- View your electronic purse card balance
- Pocket readers for everyday use
- Competitive price
- State-of-the-art design casing
- Long lasting battery
- Replaceable battery
- Optional button and LED
- Keychain
- Optional function to record and display previous transactions
- The information is automatically displayed after the card is inserted
- Support memory and/or MCU cards as required by customers

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4.0 Technical Specifications

ABR06BS

**6-digit LCD
(6 numeric LCD)**

**ABR08LS
8-digit LCD
(8 numeric LCD)**

**ABR10RS
10-digit LCD
(4 alphanumeric & 6 numerals)**

Note: Key chains are included for all standard versions of Balance Readers

Power supply
Power supply .... 2 pieces of 3V lithium connected in series, Replaceable
Supply current .... 5mA (without smart card)

LCD display
ABR06BS .... 6-digit display (numeric)
ABR08LS.. 8-digit display (numeric)
ABR10RS .... 10-digit display (4 alphanumeric & 6 numeric)

Smart Card Interface
Card detection .... Card detection by card contact
CLK frequency...................................... 1.05 MHz
Card connector .... sliding contacts (8 contacts)
Card insertion cycles .... min. 100,000

Case
Dimensions (ABR06BS) .... 62 mm x 34 mm x 9 mm
Dimensions (ABR08LS)......................... 72.3 mm x 42.3 mm x 12.5 mm
Dimensions (ABR10RS) .... 72 mm x 30.5 mm x 12 mm
Weight (weight including keychain) 20g, 25g, 20g
Color (ABR06BS/ABR10RS)................ Semi-Transparent blue
Color (ABR08LS).................................. Silver

Operating Conditions
Temperature .... 0 - 50º C
Humidity.. 40% - 80%

Standard/Certifications
ABR06BS - CE, FCC
ABR10RS - CE, FCC

Customization
Logo printing
Number of display digits
Alpha-numeric display
Casing design
Types of Cards supported