



Matrix Metering Ltd

Utility Meter Manufacturers

An Accredited Low Carbon Company

Whitegate, White Lund Trading Estate

Lancaster, Lancashire, England. LA3 3BT

Tel 01524 841909 Fax 01524 847009

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HE 203 (Single Fuel) and HE 203df (Dual Fuel) Card Operated Prepayment

Physical Data

Heavy Duty Nylon Case , with Perspex front viewing panel

Case Size - 124 mm wide 170 mm high 95 mm deep

Case Weight – 1.1 kg

Card Settings Ranges

(Variable) 1 to 1000 units per card side

Credits – Pulse(s) –

Buzzer Warning – Emergency Credit

Card Type

Magnetic Striped Card. bi encoded (encoded both sides)

No of uses 2

Card is clipped to show use, on removing from card reader.

Size 83.6mm wide x 52.9 high -- Credit Card Size



Module

100amps – AC1 230 volts (110 volts version available) 50/60hz

Module Contactor – Bi Stable Electronic Contactor –

Switching Current 4.5w over 20 ms

Switching life – 100,000 switches minimum

Terminal Block

Nickel plated brass terminals, are fitted for main terminals.

The terminal cover is of a tamperproof construction and design, with a security lip fitting into the main meter case, and star constructed fixing for sealing with a 6.5mm screw head fitting conforming to BS 5685 Pt 1

Contactor

Using Electronic Contactor 100amps

Both versions are latching contactors (Bi Stable)

Electronic Contactor has – Very Low Current Consumption

4.5 watts per 20-millisecond latch = 90m Joules per latch

No heating of coils (Usual in standard product – Mono Stable Contactors)

LCD Display

16 Character Display includes spaces

Visual Diameter 65mm wide 13mm high

Hitachi Display Driver -- 5 x 7 dots per character

Character Size 8.5mm High 4.5 Wide

Characters available = 92 includes low and high case

Technical Details





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Influence Of Supply Voltage

The HE 203 module complies with IEC 1036 section 4.4.2

Operation over the voltage range complies with IEC 1036 section 4.4.2.1 with permissible error as given in IEC 1036 table 14.

For voltage dips and short interruptions the module complies with IEC 1036 section 4.4.2.2 and tested according to IEC 1036 section 5.4.2.1

Power Burden less than 2VA

Data Retention/Memory

Should loss of power occur, programmed data will be retained in memory for 10 years, 200 cards of credit can be stored into memory at any one time

Memory Access

Via Zapper Reset Tool

Temperature Range

Operating Range - 10c to 45c

Limit range of operation -20c to 55c

Storage range -25c to 70c

This complies with IEC 1036 4.3.1

EMC Standards

Full compliance meeting generic standard EN50091-2 and immunity standard EN50082-2 for industrial environments

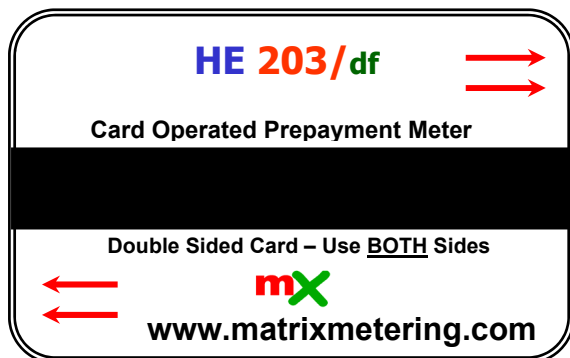
Safety Standard

Complies with EN61010 installation category 11 Pollution degree 2



RoHS & WEE Directives

Compliance with both European directives



Technical Details



Authorised User No. 00475

www.matrixmetering.com



Certificate No. 2010