

# DRS CD230

## Handfed Optical Mark Reader



The CD230 handfed Optical Mark Reader is best suited for schools who want to process low volumes of forms for registration and assessment.

### The CD230 Optical Mark Reader

The CD230 can be used with any computer supporting a serial interface. It is compatible with software from a range of suppliers in the educational sector, and scanned data can be imported into most industry standard spreadsheet and database packages as well as bespoke systems. DRS supplies utilities such as SOSKitW which enable users to set up new OMR applications easily and quickly.

The CD230 OMR:

- Eliminates the labour intensive and error prone task of keying
- Is easy to operate
- Is compatible with all PC's currently available, as well as the full range of DRS handfed and automatic, single and double-sided readers
- Reads European or USA standard OMR forms
- Reads pencil, ballpoint and felt tip pen marks.

### Experience

DRS has over thirty years experience in automated data capture, and provides a range of complementary services to its hardware offerings:

- OMR forms design & print: ISO9002 accredited print facilities make DRS one of the world leaders in OMR form production.



- Bureau services: processing capacity for up to 3 million forms a week at our purpose-built Bureau in Milton Keynes.
- Support & maintenance: DRS provides telephone and internet support as well as specialist engineering staff.
- Bespoke software development: experienced programming teams provide customised solutions for a variety of industries.
- Packaged software solutions: from multiple choice assessment, through surveys, to forms design.

DRS Data Services Limited is part of the DRS Group.

Please note DRS products and services are subject to change without prior notice and that the information provided is for guidance only. DRS equipment complies with all current regulations. All trademarks acknowledged.



# DRS CD230

## Handfed Optical Mark Reader



DRS Data Services Limited



The CD230 handfed Optical Mark Reader is reliable, robust, simple to use and compatible with most relevant software packages. The CD230 will successfully discriminate between intended marks and erasures.

### Specifications

#### Dimensions

Physical	430mm length 290mm width 140mm height
Weight	5.8kg
Minimum form size	85mm x 40mm
Maximum form size	330mm x 225mm
Minimum form weight	70gsm
Maximum form weight	160gsm

#### Environmental

Minimum temperature	10 deg C
Maximum temperature	35 deg C
Minimum humidity	40%
Maximum humidity (non-condensing)	80%

#### Power

Consumption	<50 Watts
Supply	240V 50Hz AC

#### Readhead

Reflective visible light readhead  
Self-calibrating  
16 levels of erasure discrimination

#### Interface (auto sensing)

Communication	RS232/V24
Minimum baud rate	1200 baud
Maximum baud rate	38400 baud
Parity	odd, even, none
Data bits	7 or 8
Stop bits	1

#### Indicators

Green Power  
Red Ready for sheet  
Beeper Error warnings

#### Speed

Transport	800 mm/sec
Reading (theoretical)	3000 forms/hour
(practical)	500 forms/hour

#### Document format (European standard)

Track spacing	1/5" or 1/6"
Minimum row spacing	1/10"
Data tracks	42 or 47
Maximum rows/sheet	127

#### Firmware

SOS and Diagnostics

#### Software

Executes SOS OMR instruction set

#### Options

- Infra red readhead
- Barcodes:  
Maximum 20 barcodes/sheet  
Mixture of Code 39, Interleaved 2 of 5, Codabar
- Reads multiple barcodes on 2 different levels
- 47 track 1/6" (USA Standard)
- 110V 60Hz AC power supply

**Microsoft**  
CERTIFIED  
Partner



DRS Data Services Limited is part of the DRS Group.

Please note DRS products and services are subject to change without prior notice and that the information provided is for guidance only. DRS equipment complies with all current regulations. All trademarks acknowledged.



DRS Data Services Limited