

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.

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Partner

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The CD230 Optical Mark Reader Experience

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.

DRS has over forty 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.



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		Indicators	
Physical	430mm length	Green Power	
	290mm width	Red Ready for sheet	
	140mm height	Beeper Error warnings	
Weight	5.8kg	Speed	
Minimum form size	85mm x 40mm	Transport	800 mm/sec
Maximum form size	330mm x 225mm	Reading (theoretical)	3000 forms/hour
Minimum form weight	70gsm	(practical)	500 forms/hour
Maximum form weight	160gsm	Document format (European standard)	
Environmental		Track spacing	1/5" or 1/6"
Minimum temperature	10 deg C	Minimum row spacing	1/10"
Maximum temperature	35 deg C	Data tracks	42 or 47
Minimum humidity	40%	Maximum rows/sheet	127
Maximum humidity (non-condensing)	80%	Firmware	
Power		SOS and Diagnostics	
Consumption	<50 Watts	Software	
Supply	240V 50Hz AC	Executes SOS OMR instruction set	
Readhead		Options	
Reflective visible light readhead		Infrared readhead	
Self-calibrating		Barcodes: Maximum 20 barcodes/sheet Mixture of Code 39, Interleaved 2 of 5, Codabar	
16 levels of erasure discrimination		Reads multiple barcodes on 2 different levels	
Interface (auto sensing)		47 track 1/6" (USA Standard)	
Communication	RS232/V24	110V 60Hz AC power supply	
Minimum baud rate	1200 baud		
Maximum baud rate	38400 baud		
Parity	Odd, even, none		
Data bits	7 or 8		
Stop bits	1		