



SDS2-2MS Display Console Technical

Part No: DRO-SDS2-2MS
Doc V: 1.1



- The M-DRO SDS2-2MS offers a cost effective entry level display console with milling functions.
- Simple operation with advanced functions.
- Functions include; PCD, line of holes, mm/inch, radius/diameter display, tool offsets.
- Clear and easy read LED display.
- Instruction manual and mains cable included.

Specifications

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Axis input	2
Display type	Green LED
Case material	Plastic injection moulded
Keypad type	Membrane with PCB mounted tactile switch
Encoder types	Linear
Encoder input	5v TTL 90° quadrature phase difference
Linear resolution settings	0.1, 0.2, 0.5, 1, 2, 5 & 10 micron
Storage temperature	-20°C ~ +55°C
Operating temperature	0°C ~ +45°C
Relative humidity	20% to 85% Non-condensing
Operating voltage	100VAC to 250VAC (50/60 Hz)
Weight	1.8 Kg





Functions

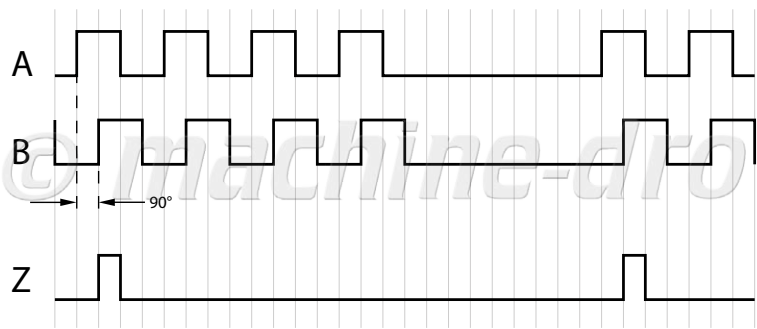
Generic Functions	
mm/inch	Metric/imperial display. Convert you're machine from metric to imperial and vice-versa at the touch of a button
Absolute/incremental	Display position to the user-defined datum (absolute) Display new position relative to the previous position (incremental)
Additional zero datum memory	Store up to 200 sub datum zero positions in the internal memory
Centre find	Calculates half the distance between two selected points
Trigonometric calculator	Standard functions including square root and trigonometric
Linear Error compensation	Linear or Segmented
Mill Functions	
Pitch circle Diameter (PCD)	For calculating the positions of equally spaced holes around a circle or part circle of a user-defined diameter
Arc contouring	Indicates the step by step machining of an arc or radius, without the need for a rotary table
Line of holes	Calculates the equally spaced position of user-defined number of holes along a straight line at any angle
Angular Set up	Allows a work piece to be aligned at a specified angle.

Dimensions





Output Signal



- Fitted with 9 pin female D type connector for encoder input.
- For encoder compatibility please check compatibility chart datasheet.

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
Signal	N/C	0v	N/C	Screen	N/C	A	+5v	B	Z

