



ENGLISH

# Datasheet

## RS Pro Metric Electronic Edge Finder

RS Stock No: 123-0931



### Specifications:

Metric Electronic Edge Finder

Will read off any electrically conductive material

Illuminates instantly when probe touches work edge

Repeatability 0.01mm

Cylindrical probe 5mm diameter

Shank 12mm diameter

Overall Length 100mm

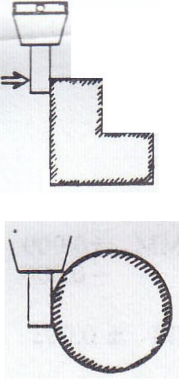
Power: 1 x 23-A-12V battery

Order Code	Manufacturers Code	Description
123-0931	4200-125	Metric Electronic Edge Finder

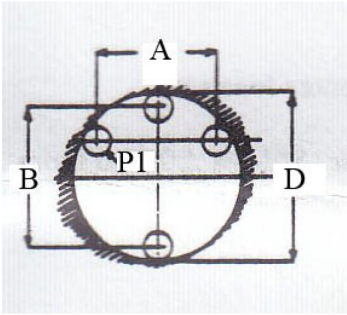
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## RS Pro Metric Electronic Edge Finder

### Edge Location

	<p>Test the Edge Finder before use with a conductive metal wire or flexible steel rule to ensure it illuminates when a circuit is made between the probe and the main shaft</p> <ol style="list-style-type: none"> <li>1 Do not place the Edge Finder's main body below the surface of the work piece Ensure that the spindle is no more than 5mm below the surface of the work piece</li> <li>2 Feed the work piece slowly towards the Edge Finder's spindle When contact is made with the work piece the indicator lamp will illuminate.</li> <li>4 At this position, the work piece can be moved half the diameter of the probe to bring the centre line of the machine spindle in line with the edge of the work piece</li> </ol>
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### Hole Diameter Measurement & Centre Location

	<ol style="list-style-type: none"> <li>1 Move the work piece below the sensor and align within the hole. Position the sensor spindle at a depth between 1 - 5mm from the top of the surface of the hole Feed the work piece on its X axis slowly towards the sensor spindle so it touches at position P1. Set DRO to zero Traverse the work piece on its X axis so that the sensor touches the hole at P2. The DRO now indicates the A dimension</li> <li>2 Move the work piece back along its X axis by half the A dimension</li> <li>3 The centre line of the sensor now coincides with the centreline of the hole on its X axis.</li> <li>4 Feed the work piece on its Y axis slowly towards the sensor spindle so it touches at position P3. Set DRO to zero</li> <li>5 Move the work piece slowly back along its Y axis towards the sensor spindle so it touches at position P4. The DRO now indicates the B dimension.</li> <li>6 To calculate the diameter of the hole: Add B dimension to Sensor Spindle Diameter</li> <li>7 To align machine spindle centre with hole centre: Move the work piece back along its Y axis by half the B dimension</li> </ol>
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