

# DC40-2V series

**GENERAL FUNCTION** can be set for Milling or Lathe or Grinder



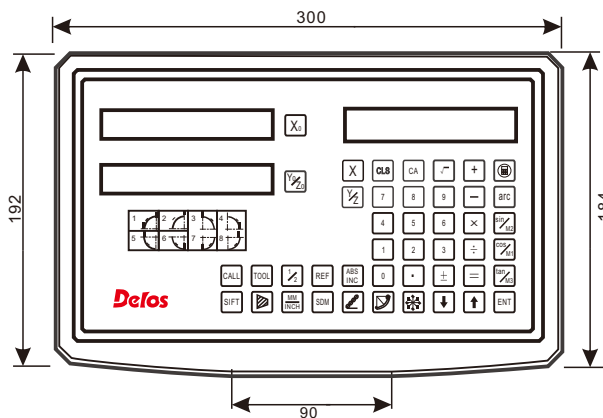
- Centering (1/2)
- Metric / inches Display (mm/inch)
- Absolute / incremental (ABS / INC)
- Power off Memory
- 200 subdatum
- Reference Memory (REF)
- Build in Calculator
- Pitch Circle Diameter (PCD) (Milling)
- Line Hole Positioning (LHOLE) (Milling)
- Simple "R" Function (Milling)
- Smooth "R" Function (Milling)
- Linear Error Compensation
- Vibration filter (Grinder)
- Tool Lib for Lathe (Lathe)



## Mechanical and Electrical Features

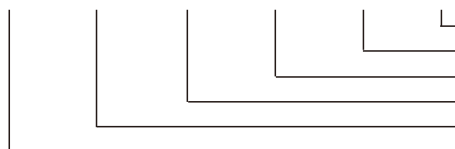
Resolutions for Linear Scale	10--0.1um		<table border="1"> <thead> <tr> <th>pin</th> <th>PP signal</th> <th>EIA422 signal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>—</td> <td><math>\bar{A}</math></td> </tr> <tr> <td>2</td> <td>OV</td> <td>OV</td> </tr> <tr> <td>3</td> <td>—</td> <td><math>\bar{B}</math></td> </tr> <tr> <td>4</td> <td>GND</td> <td>GND</td> </tr> <tr> <td>5</td> <td>—</td> <td><math>\bar{R}</math></td> </tr> <tr> <td>6</td> <td>A</td> <td>A</td> </tr> <tr> <td>7</td> <td>5V</td> <td>5V</td> </tr> <tr> <td>8</td> <td>B</td> <td>B</td> </tr> <tr> <td>9</td> <td>R</td> <td>R</td> </tr> </tbody> </table>	pin	PP signal	EIA422 signal	1	—	$\bar{A}$	2	OV	OV	3	—	$\bar{B}$	4	GND	GND	5	—	$\bar{R}$	6	A	A	7	5V	5V	8	B	B	9	R	R
pin	PP signal			EIA422 signal																													
1	—	$\bar{A}$																															
2	OV	OV																															
3	—	$\bar{B}$																															
4	GND	GND																															
5	—	$\bar{R}$																															
6	A	A																															
7	5V	5V																															
8	B	B																															
9	R	R																															
Resolutions for Rotary Encoder	0.001--1"																																
Power Supply	100VAC--230VAC±10% / 15 VA																																
Axis Display	7 Segment LED H = 17mm																																
Signal input per axis	A / B quadrature signals																																
Maximum input frequency	500KHz																																
Operating Temperature	0° – 50°																																
Storage Temperature	-20° – 70°																																
Relative Humidity	95% (not condensed)																																
Vibration Resistance	25 m/s <sup>2</sup> (55 – 2000Hz)																																
Protection Class(EN60529)	IP42																																
Weight	2.1 Kg																																

## DIMENSIONS



## ORDER INFORMATION

DC40-2V ---- A ---- B ---- C ---- D ---- E ---- F



- F - Note
- E - OEM Band
- D - Optional Function: RS232;
- C - Output Voltage for Encoder: V5--5V; V12 – 12V; V24 – 24V
- B - input Type: Txx-TTL input mode; Rxx--RS422 input mode
- A - Resolution: 01R--0.1um; 05R--0.5um; 1R--1um; 2R--2um; 5R--5um; 10R--10um

Sample: DC40-2V-5R-RS422-V5



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