

DC50-3V series

GENERAL FUNCTION DS-3V can be set for Milling or Lathe or EDM



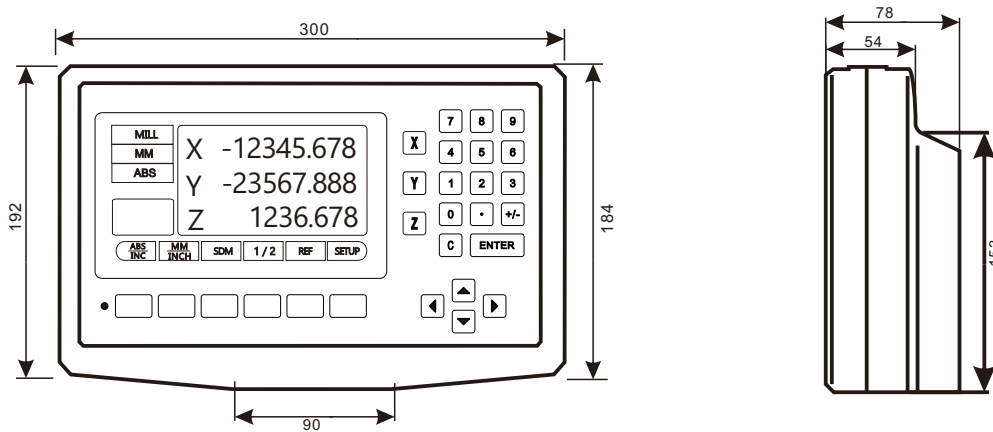
- Centering (1/2)
- Metric / inches Display (mm/inch)
- Absolute / incremental (ABS / INC)
- Power off Memory
- 200 subdatum
- Reference Memory (REF)
- Build in Calculator
- Pitch Circle Diameter (PCD) (Milling)
- Line Hole Positioning (LHOLE) (Milling)
- Simple "R" Function (Milling)
- Smooth "R" Function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



Mechanical and Electrical Features

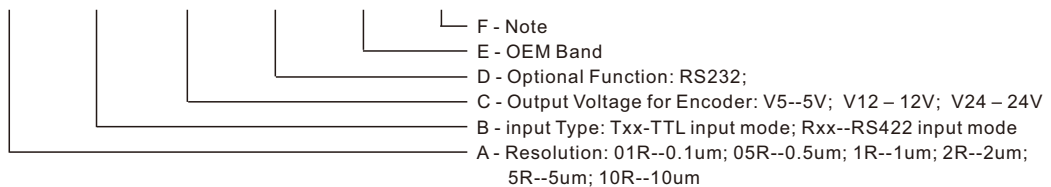
Resolutions for Linear Scale	10--0.1um		<table border="1"> <thead> <tr> <th>pin</th> <th>PP signal</th> <th>EIA422 signal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>—</td> <td>\bar{A}</td> </tr> <tr> <td>2</td> <td>OV</td> <td>OV</td> </tr> <tr> <td>3</td> <td>—</td> <td>\bar{B}</td> </tr> <tr> <td>4</td> <td>GND</td> <td>GND</td> </tr> <tr> <td>5</td> <td>—</td> <td>\bar{R}</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 ² (55 – 2000Hz)																																
Protection Class(EN60529)	IP42																																
Weight	2.1 Kg																																

DIMENSIONS



ORDER INFORMATION

DC50-3V ---- A ---- B ---- C ---- D ---- E ---- F



Sample: DC50-3V-5R-RS422-V5



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