

DC50-1V series



GENERAL FUNCTION

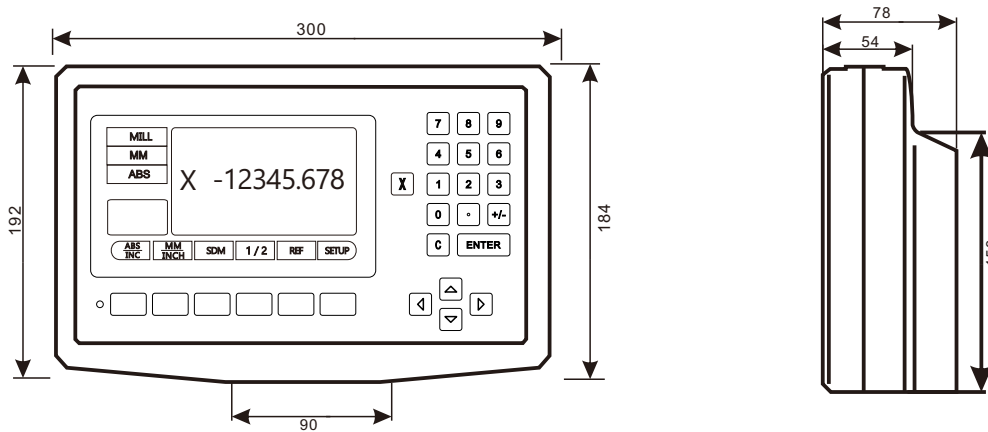
- Centering (1/2)
- Metric / inches Display (mm/inch)
- Absolute / incremental (ABS / INC)
- Power off Memory
- Reference Memory (REF)
- Linear Error Compensation
- Angle Display Mode 0.000, 0.00.00
- Non Linear Error Compensation



Mechanical and Electrical Features

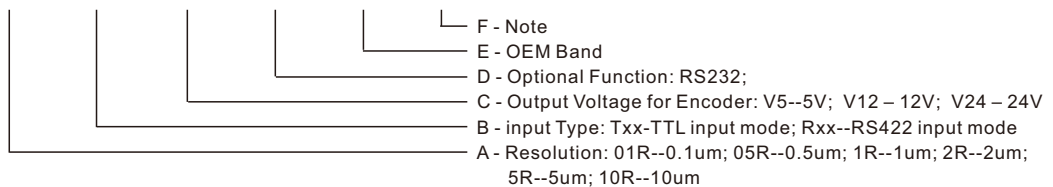
Resolutions for Linear Scale	10--0.1um		<table border="1"> <thead> <tr> <th>pin</th> <th>PP signal</th> <th>EIA422 signal</th> </tr> </thead> <tbody> <tr><td>1</td><td>—</td><td>\bar{A}</td></tr> <tr><td>2</td><td>OV</td><td>OV</td></tr> <tr><td>3</td><td>—</td><td>\bar{B}</td></tr> <tr><td>4</td><td>GND</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

DC50-1V ---- A ---- B ---- C ---- D ---- E ---- F



Sample: DC50-1V-5R-TTL-V5



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