

Specifications for Enclosed Magnetic Scale:

A. Technical Specifications:

Sr. No	Specifications	Description
1	Resolutions	5 μ
2	Accuracy	$\pm 10 \mu$
3	Repeat Accuracy	± 1 count
4	Scale lengths (mm)	120, 170, 220, 270, 320, 370, 420, 470, 520, 620, 720, 820, 920, 1020, 1120, 1240, 1340, 1440, 1540, 1640, 1740, 1840, 1940, 2040, 2240, 2440, 2640, 2840
4	Current consumption	Typically 150mA
5	Operating Voltage	+5V DC ($\pm 5\%$)
6	Output signal	Differential line driver output as per EIA standard RS422
7	Reference mark	1. Every 50mm throughout the scale length 2. Optional selective on request.
8	Operating Temperature	10 °C to 50 °C
9	Storage temperature	0 °C to 70 °C
10	Relative humidity	20% to 80% non-condensed
11	IP protection class	IP54 i.e. protection against dust and splashing water/coolant
12	Standard cable length	1. 3 meters up to scale length of 820mm 2. 5 meters above scale length of 920mm
13	Maximum cable length	Up to 20 meters
14	Operating Speed	60 meters / min.
15	Moving force requirement	$\leq 4N$

B. Mechanical Data:

