

## Description

US Digital offers a wide variety of standard rotary encoder disks. They may be ordered as a stand alone disk or as a hub disk (see the Disks page). These rotary encoder disks are made from Mylar polyester film. This material allows for a wide temperature range.

The 32 CPR is available only in the No Index, EM1 Compatible option (NE). Other resolutions are available with or without an index track.

Mechanical alignment drawings for optical encoder rotary disks and optical encoder modules are available (see the EM1 and EM2 page).



## Features

- ▶ 1" Outside Diameter
- ▶ Mylar film construction
- ▶ 32 to 5000 CPR
- ▶ Index track option
- ▶ Compatible with US Digital's EM1 and EM2 encoder modules

Rev. 171114133955



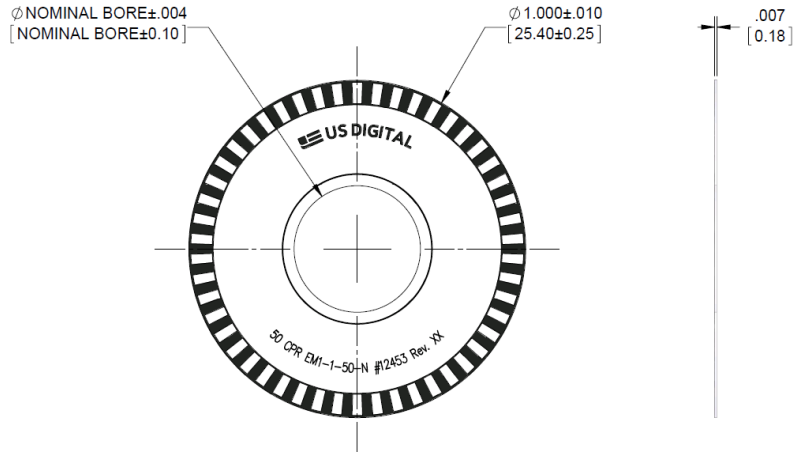
# DISK-1

## 1" Transmissive Rotary Encoder Disk

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### Mechanical Drawing



RELEASE DATE: 01/19/2016

### Specifications

Inside Diameter (ID) tolerance	±0.004"
Outside Diameter (OD)	1" ± 0.010"
Thickness	0.007"
Temperature Range	-40C to 100C

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## 1" Transmissive Rotary Encoder Disk

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### Ordering Information

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CPR	ID	Index
32 =EM1	093 =.093"	NE =No Index, EM1 Compatible Only
50 =EM1	125 =.125"	IE =Index, EM1 & EM2 Compatible
96 =EM1	375 =.375"	
100 =EM1	441 =.441"	
110 =EM1		
120 =EM1		
192 =EM1		
200 =EM1		
250 =EM1		
256 =EM1		
360 =EM1		
400 =EM1		
500 =EM1		
512 =EM1		
540 =EM1		
720 =EM1		
800 =EM1		
900 =EM1		
1000 =EM1		
1024 =EM1		
1250 =EM1		
2000 =EM2		
2048 =EM2		
2500 =EM2		
4000 =EM2		
4096 =EM2		
5000 =EM2		

#### Notes

- US Digital® warrants its products against defects in materials and workmanship for two years. See complete warranty for details.

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