



H Series

Compact and low profile, H Series Encoders provide parameters of reflective optical technology, transmissive optical technology with and without differential line drivers, and multitude of line counts.

Modular and bearing construction options. Bearing style encoders provide significant performance upgrades in demanding applications. Factory installed and tested for quick start-up.

■ **Benefits**

- Most Economical Encoder Choice
- 500 Line, 3 Channel Versions
- 1000 Line 2 Channel Versions
- IP 40 Rated

■ **Optional Cable Assembly**

- 18" Cable Assembly for H1 & H2 Encoders
Part No. 8100073

■ **Characteristics**

Encoder Data	Units	Part No.	
		H1	H2
Available Resolutions		500	1000
Output		2-Channel Quadrature with Index	2-Channel Quadrature
Output Interface		TTL Compatible	TTL Compatible
Supply Voltage	V _{CC}	VDC	4.5 to 5.5
Supply Current	I _{CC}	mA	85 max.
High Level Output Voltage	V _{OR}	V	2.4 min.
High Level Output Voltage	V _{OL}	V	0.4 max.
Max. Operating Frequency	f _{MAX}	kHz	100
Operating Temperature	Θ _{MAX}	°C	-20 to +85
Encoder Weight (Mass)	W _E	oz	0.2
		g	5.7

■ **Connection Chart**

PIN	H1	H2	Color
1	Encoder Ground		Black
2	Index I	No Connection	Green or NC
3	Channel A		Yellow
4	Vcc		Red
5	Channel B		Blue

Dimensional Drawings: H1 • H2

Dimensions = mm [in]

