



HM

Measuring Wheel Encoder



Electrical

| | |
|---------------------|-------------------------------|
| Detection System | Incremental |
| Power Source | DC 8 ~ 24V |
| Current Consumption | 40 mA or below |
| Response Frequency | 20 KHz |
| Output Voltag | VoH: Vcc – 0.7V, VoL: 0.5V |
| Output Phase | A A, B |
| Output Wave Form | |
| Output Mode | Voltage |

Connection

| | | |
|-------|--------|-------|
| Red | Black | White |
| + | - | A |
| Green | Shield | |
| B | | |

Wheel Circle Length

| | |
|-------------|------------------|
| Meter Wheel | 0.3 Meter ± 0.1% |
| Yard Wheel | 0.3 Yard ± 0.1% |

Application

- Length Measuring For Industry Machine

Feature

- Wheel Measuring Sensor
- Mounting Easy
- Meter · Yard Wheel Available

Resolution

| Type | Resolution (Meter or Yard) | Output Signal |
|--------|----------------------------|---------------|
| HM-AB2 | 0.1 | Bi-Direction |
| HM-AB4 | 0.001 | |

Mechanical Spec.

| | |
|-----------------------|-----------|
| Max. Measuring Speed. | 360 M/min |
| Net Weight. | 500g |

Environmental Spec.

| | |
|--------------------|-----------------------------------|
| Operating Temp. | -10 ~ +70°C |
| Storage Temp. | -20 ~ +80°C |
| Operating Humidity | RH 85% max non-collecting |
| Shock | 490 m/s ² , 3Dx2 times |
| Vibration | 0.6mm, 10~55KHz, 3Dx30min. |
| Protection | IP 54 |



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Ordering Information

H M - **-** **0 5 0**

Resolution

AB2: 0.1Meter
AB4: 0.001Meter

Unit

M : Meter
Y : Yard
: none

Wire Type

C: cable

Mechanical Drawing

Unit: mm

