

HCW4 INCREMENTAL MODULAR SENSORS



Features

- With its two-part design, the HCW4 incremental sensor offers maximum flexibility when installing it.
- Application fields: agriculture, construction, forestry vehicles, medical, solar panels...
- Robustness and excellent resistance to shocks / vibrations.
- Standard IP 67 protection (IP69K option).
- Operating temperature range: -40°C to 85°C (-40..+125°C option).
- Magnetic technology.
- Universal supply 5 to 30Vdc incremental output.
- Available resolution up to 1024 points per revolution.
- Standard PVC or PUR cable output.



SPECIFICATIONS

Material	Macromelt 0M638
Encoder weight (approx.)	0,100 kg
Operating temperature	- 40 + 85 °C (sensor T°)
Storage temperature	- 40 + 85 °C
Protection	IP 67
Shocks (EN60068-2-27)	≤ 2000m.s ⁻² (during 6 ms)
Vibrations (EN60068-2-6)	≤ 200m.s ⁻² (55 2 000 Hz)



ADAPTATION POSSIBILTY

BEI Sensors distinguishes itself by its flexible approach and ability to react to customers needs, with us no limit exists; we shall always try to supply you the product offering the best solution to your specifications.

Modified mechanics: Precision prototypes units, small and medium size. Units that will match themselves exactly to your mechanical configuration or to your dimensional constraints.

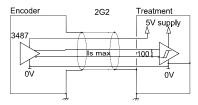
Specific shaft system: for example with integrated coupling.

Send us your subset: we can integrate our encoder into your subset and return you the complete assembly with the guarantee of an optimal mounting

Connection / Cable assemblies: On the whole range of our sensors a wide selection of electrical connections are possible.



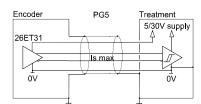
OUTPUT ELECTRONIC / POWER SUPPLY



2G2 electronic (100kHz)

Supply : 5Vdc ± 10% Cons. without load : 40mA max Current per channel: 40mA max

 $0 \text{ max (Is=}20\text{mA}) : V_{ol} = 0.5\text{Vdc}$ $1 \text{ min (Is=}20\text{mA}) : V_{oh} = 2.5\text{Vdc}$



PG5 electronic (100kHz)

Supply: 5 to 30Vdc

Cons. without load : 40mA max Current per channel: 40mA max 0 max (ls=20mA) : $V_{ol} = 0.5$ Vdc 1 min (ls=20mA) : $V_{oh} =$ Vcc-2,5Vdc

Protection against short circuits and inversion of polarity for the electronic PG5.



STANDARD CONNECTION

		-	+	Α	В	0	A/	B/	0/	Ground
G3	PVC cable 8 wires 8230/020	WH white	BN brown	GN green	YE yellow	GY grey	PK pink	BU blue	RD red	Main shield
GP	PUR cable 12 wires 8230/050	WH white + WH/GN white/green	BU blue + BN/GN brown/green	GY grey	BN brown	RD red	PK pink	GN green	BK black	General shielding

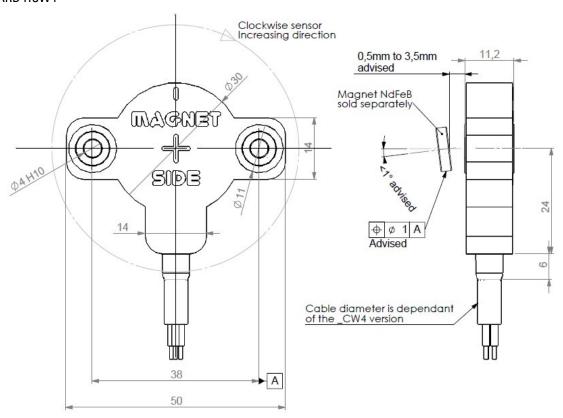
AVAILABLE RESOLUTIONS

32 64 128 256 1024

DIMENSIONS

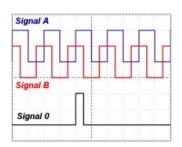
Tolerance, unless otherwise noted: All dimensions are in millimeters [inches]

STANDARD HCW4

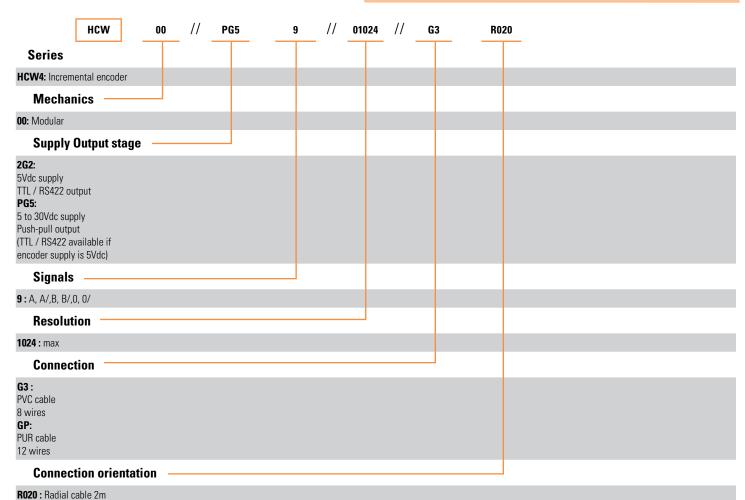


Shaft system with magnet to be ordered separately (cf specific data-sheet).

INCREMENTAL OUTPUT



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AGENCYAPPROVALS&CERTIFICATES



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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA

CONTACT US

America

+1 (800) 350 2727 sales.beisensors@sensata.com Europe, Middle East & Africa +33 (3) 88 20 8080

position-info.eu@sensata.com

Asia Pacific

sales.isasia@list.sensata.com China +86 (21) 2306 1500 Japan +81 (45) 277 7117 Korea +82 (31) 601 2004 India +91 (80) 67920890 Rest of Asia +886 (2) 27602006 ext 2808