



## NEW PRODUCT HIGHLIGHT

### IO-LINK ENCODERS AND POSITION SENSORS

IO-Link is a digital, point-to-point, industrial communication networking standard used for connecting digital sensors and actuators to either an industrial fieldbus or an industrial Ethernet and it is the starting point for implementing Industry 4.0 architectures.

Sensata IO-Link portfolio of encoders and position sensors is based on new sensing technology which provides the accuracy and the robustness required in the typical IO-Link applications like factory automation, machine tools, production lines, intralogistics and packaging machines.

Sensata is the only manufacturer offering both **Industrial housed and modular packages**, both available in Absolute Single-Turn or Multi-Turn options; the Incremental series includes a unique dual output option with incremental channel and absolute value through IO-Link. Radial or Axial output orientation, M12 connector or cable output, solid shaft, blind shaft or through shaft, different shaft sizes and a complete range of mounting accessories permit to have the solution available for any application requirement.

**NEW**

#### ABSOLUTE SINGLE-TURN ENCODERS

- AHM5 – SOLID SHAFT
- AHK5 – BLIND SHAFT
- AH05 – HOLLOW SHAFT



**NEW**

#### ABSOLUTE MULTI-TURN ENCODERS

- THM5 – SOLID SHAFT
- THK5 – BLIND SHAFT



#### ABSOLUTE MODULAR SENSORS

- ACW4 – SINGLE-TURN
- TCW4 – MULTI-TURN



#### INCREMENTAL ENCODERS

- DHM5 – SOLID SHAFT
- DHK5 – BLIND SHAFT
- DH05 – HOLLOW SHAFT



### FASTEST INTERFACE

Support with COM3 the latest and fastest IO-Link interface, minimal cycle time of 1ms

### DUAL OUTPUT

Both incremental channel and absolute value through IO-Link

### CONNECTION

M12, M23 connectors or cable, Radial or Axial output, providing universal connectivity

### SHAFT SIZE

Maximum mounting flexibility, 6, 8, 9, 10mm (solid shaft)  
10,12,14,15mm (blind/hollow shaft)

### PROGRAMMABILITY

Resolution and output type fully configurable

### HIGH RESOLUTION

Up to 16 bits on absolute and 10000ppr on incremental for applications requiring high performance

### FUNCTIONALITY

Diagnostic and events, automatic setup for easy replacement



## ORDERING OPTIONS

Here some example of part numbers (refer to product datasheet at Sensata.com for the complete offer)

Model number	Part Number	Format	Type	Description
ACW4_00//ZIOB//12//BDR003	ACW400-12BT-010	Modular	Single-Turn	Separated magnet and support M9105
TCW4_00//ZIOB//12B16//BDD003	TCW400-1216-006	Modular	Multi-Turn	Separated magnet and support M9105
AHK5_14//ZIOB//16//BFR//	AHK514-16BT-001	58mm	Single-Turn	Blind shaft, 14mm, radial output
AHM5_10//ZIOB//16//BFR//	AHM510-16BT-001	58mm	Single-Turn	Solid shaft, 10mm, radial output
AH05_14//ZIOB//16//BFR//	AH0514-16BT-001	58mm	Single-Turn	Hollow shaft, 14mm, radial output
THK5_14//ZIOB//12B16//BFR//	THK514-1216-002	58mm	Multi-Turn	Blind shaft, 14mm, radial output
THM5_06//ZIOB//12B16//BFR//	THM506-1216-001	58mm	Multi-Turn	Solid shaft, 6mm, radial output
DHK5_14//RGY9//EPROG//GMA//	DHK514-PROG-001	58mm	Incremental	Blind shaft, 14mm, axial output
DHM5_10//RGZ9//EPROG//16R//	DHM510-PROG-011	58mm	Incremental	Solid shaft, 10mm, radial output

## APPLICATIONS

- Factory Automation
- Material Handling
- Manufacturing Engineering
- Access Control
- Mobile Hydraulic Machines



## CONTACT US

### Americas

+1 (800) 350 2727  
sensors@sensata.com  
Europe, Middle East & Africa  
+33 (0) 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