

ΩMEGA

DRAW WIRE DISPLACEMENT SENSOR



*Ultimate technology sensors for long displacement measurement.
Its design enhance performance and reliability.
Functional safety certified PId (EN13849-1).*



ΩMEGA sensor fits multiple applications where it is required to measure long displacements. Its enhanced design, allow most compact installation on the frame, optimizing total machine effectiveness.



KEY VALUES



Shock proof



Magnetic technology

CAN

CANbus



IP66
protection class



Wide temperature
range

Description	P/N
Ωmega 15	1102761
Ωmega 8	1099768
Ωmega 3	1101824

Default Parameters:

CANopen CiA DS301, DS406, DS410

ID node No.1: 0x01

ID node No.2: 0x02

Baud rate 250kbps



**ΩMEGA
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APPLICATIONS



Reach Stackers



Mobile Cranes



Telehandlers



Forklift trucks



Aerial working
platforms



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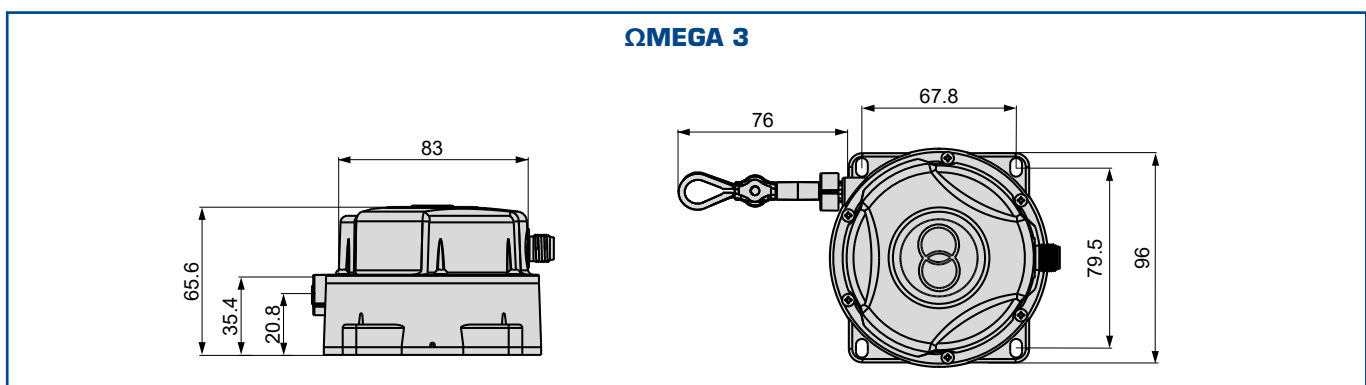
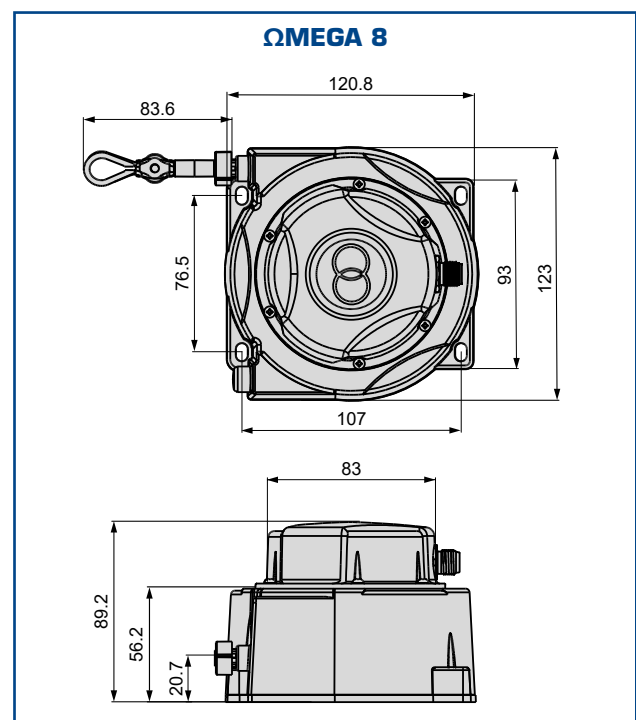
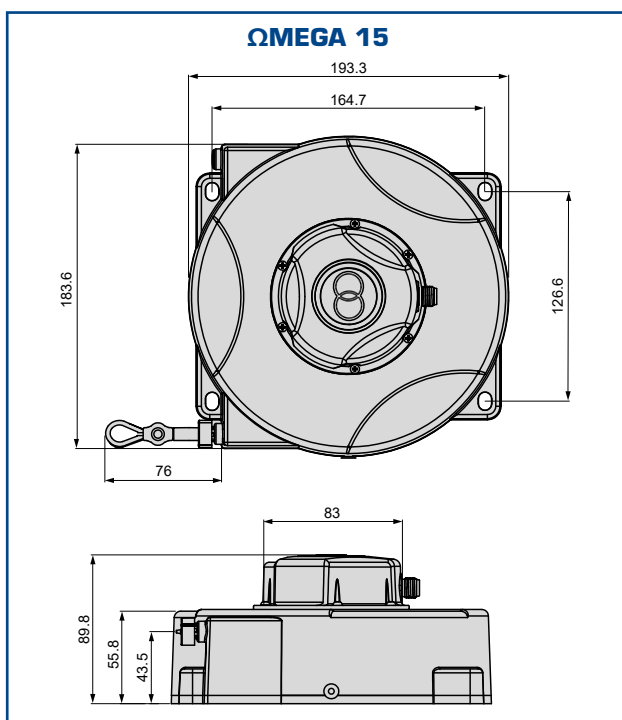
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TECHNICAL DATA

Measurement Range	up to 15m for displacement and up to 360° for inclinometer
Supply voltage	7-32Vdc.
Output signal	CANopen
Accuracy	up to $\pm 0,3\%$ for displacement and up to $0,3^\circ$ for inclinometer
Working temperature	$-40^\circ\text{C} \dots +85^\circ\text{C}$
Vibrations	20g between 10 Hz ... 2000 Hz IEC 60068-2-6.
Shock	Pulse on 3 axes; 50g 11 ms IEC 60068-2-27.
Electromagnetic compatibility	2014/30/EU Electromagnetic Compatibility (EMC).
Protections and immunity	Protected against reverse polarity and short circuit
IP Protection Level	IP66

All performance data are values resulting from qualification tests on specific configuration sample production batch.
Final product configuration, actual application and respect of installation recommendation may impact on some performance data.
Where not differently indicated, data refer to Tamb condition test environment.

DIMENSIONS



ORDERING KEY

FAMILY	SUBFAMILY	CASE MATERIAL	CONNECTOR	CHANNEL 1 RANGE (±)	CHANNEL 2 RANGE (±) AND VERSE	SUPPLY VOLTAGE	OUTPUT TYPE	SPECIAL / CUSTOM FEATURE / SW / CUSTOMER	MANUAL ZERO HALL PEN	FACTORY LINEARITY TABLE SUPPLIED	ACCESSORIES / MAGNET TYPE	PROJECT REVISION
DRAW WIRE	A Angle and lenght measurements	B Plastic housing	5M single M12 5P wall mounted	0NOT when only weight	0NOT single channel or only lenght	H 12-24Vdc nominal	051 CANopen standard (default parameters)	LR9 lower right cable, connector at "9 hour"	0 not available (standard)	0 not supplied (standard)	000 not present	1
	3m											
	L Lenght only measurement			W180 clock wise ±xxx°	DXXX Pld with crossed degrees			UR3 upper right cable, connector at "3 hour"				
	8m											
15m				C180 counter clock wise ±xxx°				LL0 lower left cable, connector at "0 hour"				

EXAMPLE OF RESULTING ORDERING CODE

O03A.B.5M.W180.C180.H.051.LR9.0.0.000.1

Further possibilities available, some options are mutually exclusive, please contact our team for more details.