

“ your
encoder
experts

—
since **1983**





INCREMENTAL ENCODERS

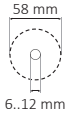
SOLID SHAFT



SERIE 10 / 10A



≤ 50.000 ppr
IP65 / IP67
Cable or connector



SERIE 58 / 58S



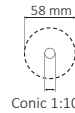
≤ 50.000 ppr / 2.500 ppr
IP65
Cable or connector



SERIE 64 / 64S



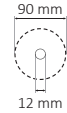
≤ 10.000 ppr / 2.048 ppr
IP54
Cable



SERIE 30 / 30A



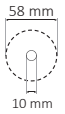
≤ 50.000 ppr
IP65 / IP67
Cable or connector



SERIE 10K INOX



≤ 50.000 ppr
IP69K
Cable



SERIE 10I INOX



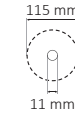
≤ 50.000 ppr
IP67
Cable



SERIE 100 / 100 DUO



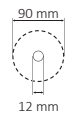
≤ 5.000 ppr
IP66
Cable or connector



SERIE 30I INOX



≤ 50.000 ppr
IP67
Cable



SERIE 66



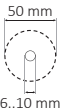
≤ 10.000 ppr
IP64
Cable or connector



SERIE 50



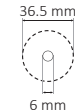
≤ 5.000 ppr
IP65
Cable or connector



SERIE 36



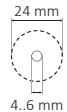
≤ 10.000 ppr
IP65
Cable or connector



SERIE 26 / 27



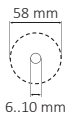
≤ 4.096 ppr
IP64
Cable



SERIE PR90



≤ 65.536 ppr
IP65
Cable or connector



SERIE 11



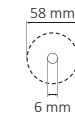
≤ 2.500 ppr
IP65
Cable



SERIE 20



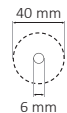
≤ 1.024 ppr
IP54
Cable



SERIE 21



≤ 500 ppr
IP41
Cable



ⓘ RANGE OF TEMPERATURE -20°C...+85°C / OPTIONAL -40°C + 100°C POWER SUPPLY 5V / 11.30V / OPTIONAL 5.24V

● HIGH RESOLUTION

● RESISTANT & ROBUST

● COMPACT & MINIATURE

● PROGRAMMABLE

● COST-EFFICIENT





INCREMENTAL ENCODERS

HOLLOW SHAFT





SERIE 59 / 59A / 59S

 ≤ 50.000 ppr / 2.048 ppr
 IP65 / IP67
 Cable or connector
 10..14 mm





SERIE 19 / 19A

 ≤ 50.000 ppr
 IP65 / IP67
 Cable or connector
 6..15 mm





SERIE 77

 ≤ 5.000 ppr
 IP65
 Cable or connector
 15..25 mm





SERIE 80

 ≤ 5.000 ppr
 IP65
 Cable or connector
 30..42 mm





SERIE 19K

 ≤ 50.000 ppr
 IP69K
 Cable
 6..15 mm





SERIE 100H / 100H DUO

 ≤ 5.000 ppr
 IP66
 Cable or connector
 12..16 mm





SERIE 120

 ≤ 10.000 ppr
 IP65
 Cable or connector
 45..60 mm





SERIE 130M

 ≤ 2.048 ppr
 IP68
 Connector
 16..36 mm





SERIE 50HI INOX

 ≤ 5.000 ppr
 IP67
 Cable
 6 mm





SERIE 50H

 ≤ 5.000 ppr
 IP65
 Cable or connector
 6..12 mm





SERIE 22 / 22H

 ≤ 10.000 ppr
 IP64 / IP50
 Cable or connector
 6..8 mm



SERIE 28

 ≤ 4.096 ppr
 IP64
 Cable
 4..8 mm



SERIE PR90H





 ≤ 65.536 ppr
 IP65
 Cable or connector
 10..15 mm




SERIE MIE




 1 ppr
 IP67
 Cable
 15 mm



SERIE MR

 1 ppr
 IP67
 Cable
 11..19 mm



SERIE 22M




 ≤ 512 ppr
 IP65
 Cable
 10..12 mm



ABSOLUTE ENCODERS

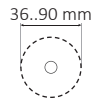


SINGLETURN & MULTITURN

SSI ABSOLUTE ENCODERS



- > Singleturn resolution up to 21 bits
- > Multiturn resolution up to 38 bits
- > Solid, blind hollow or hollow shaft
- > Binary, Gray codes. Configurable via cable or switch
- > Up to IP67. Cable or connector output

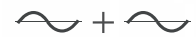


SERIE E36/E58 SSI

- Singleturn ≤ 13 bits
- Multiturn ≤ 24 bits
- Protection up to IP65
- Connection by cable or connector



ABSOLUTE + INCREMENTAL ENCODERS



- > Singleturn resolution up to 19 bits
- > Incremental resolution 2.048 SIN/COS
- > BISS-C or SSI + SIN/COS or SIN/COS + SIN/COS
- > Solid, conical, blind hollow or hollow shaft
- > Up to IP65. Cable or connector output



ANALOG ABSOLUTE ENCODERS

- > Analogical output 4..20mA, 0..20mA, 0..10V or 0..5V
- > Singleturn or multiturn, up to 16 bits resolution
- > Solid, blind hollow or hollow shaft
- > Configurable option of measuring range, reset or direction
- > Protection up to IP67. Cable or connector output



PARALLEL ABSOLUTE ENCODERS

- > Singleturn or multiturn
- > Solid or hollow shaft
- > Configurable: reset or direction
- > Protection up to IP67. Cable or connector output



ABSOLUTE ENCODERS FIELDBUS

- > Hohner Automation is offering all the Fieldbus encoders, Profibus, Profinet, Devicenet, CanOpen, CANlift, EtherCAT, EtherNet/IP, Interbus, Modbus/TCP, TCP/IP, Powerlink



ACCESSORIES

- > Flexible couplings
- > Coupling flanges
- > Mounting bells
- > Connectors
- > Measuring wheels
- > Antirotation systems
- > Pre-assembled cables
- > Support angles





DRAW WIRE SYSTEMS

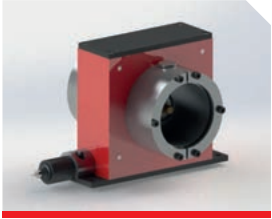
LINEAR MEASUREMENT



SERIE EM4 / EM4 FX

90.1404 / 90.1404.FX

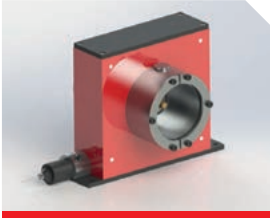
≤ 4.000 mm
≤ 1 m/s
200 mm ±0,06 / turn



SERIE EM8 / EM8 FX

90.1808 / 90.1808.FX

≤ 8.000 mm
≤ 0,75 m/s
250 mm ±0,06 / turn



SERIE EM10 / EM10 FX

90.1810 / 90.1810.FX

≤ 10.000 mm
≤ 0,75 m/s
300 mm ±0,06 / turn



SERIE XT12

XT12-10000 / XT12-15000

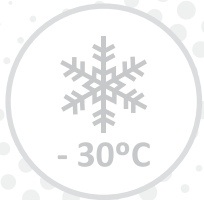
≤ 15.000 mm
≤ 10 m/s
300 mm / turn



SERIE XT18

XT18-20000 / XT18-50000

≤ 50.000 mm
≤ 10 m/s
500 mm / turn



Draw wire systems allow to operate a rotary sensor of any type, for the measurement of linear distances:

⊕ Incremental Optical Encoder

⊕ Multiturn Absolute Optical Encoder

⊕ Multiturn Absolute Magnetic Encoder

⊕ Potentiometer



MAGNETIC SENSOR SYSTEMS

LINEAR MEASUREMENT



SERIE	MSL	MSM	MSH	MSV
	Incremental	Incremental	Incremental	SIN/COS
Accuracy	± 50 µm	± 8 µm	± 6 µm	± 8 µm
Pole pitch	5+5	2+2	1+1	2+2
Resolution*	100 µm	10 µm	5 µm	0.5 µm
Protection	IP67	IP67	IP67	IP67



SERIE VIMS	
Accuracy	Incremental ± 20 µm
Pole pitch	2+2
Resolution	Programmable
Protection	IP67 / IP43



SERIE MSA	SSI
Accuracy	Absolute ± 15 µm
Pole pitch	2+2
Resolution	10 µm
Protection	IP67

(* Other resolutions available, upon request.

With more than 40 years of experience, HOHNER AUTOMATION, the sole spanish optical encoders manufacturer, from its headquarter based in Breda (Girona province), designs, manufactures, commercialize and supports its customers in the development of industrial automation projects.

Our own departments of optical, mechanical and electronic manufacturing allow us to offer to our customers free engineering services with maximum efficacy and fast delivery time.

It is our flexibility and adaptability, coupled with our ethos of engineering, manufacturing excellence and quality concern, which has placed HOHNER AUTOMATION at the forefront of the best encoders manufacturers in the world.



your **encoder** experts

SENSORMATIC
SPECIALIST&SOLUTIONS

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