

ROTARY ENCODERS

MODEL		CROSS REFERENCE	NUMBER OF LINES* / RESOLUTION	ACCURACY (ARC. SEC)	SHAFT TYPE	OUTPUT SIGNALS
9)	A24HME1		250	± 260	Hollow shaft	∼ 1 Vpp ⊓⊔⊤⊤L. HTL
(3)	A28		60 – 2.500	Up to 52	Solid shaft	Г⊔тт∟
2	A36 (including HME1)	Heidenhain ROD 1000 series	100-3.600	Up to 36	Solid / hollow shaft	∼11 uApp ∼1 Vpp ⊓⊔TTL. HTL
	AK36 (including HME1)		Up to 21 bit singleturn Up to 40 bit multiturn	± 30	Solid / hollow shaft	SSI BiSS C
	A42M	Heidenhain ERO 1200 Series	1.000; 2.500	Up to 52	Hollow shaft	∼11 uApp ∼1 Vpp ⊓⊔TTL
	A75M		512; 2.048; 5.000	Up to 26	Hollow shaft	∼ 1 Vpp Γ⊔πL
3)	AK50	Hohner Series R	Up to 8 bit for turret tool holder	± 120	Solid shaft	Г⊔ TTL, HTL
9)	A58 (including HE, HME, HE1)	Heidenhain ROD 400 Series, ERN 400 series	100-10.800	Up to 12	Solid/hollow/ blind shaft**	∼11 uApp ∼1 Vpp ⊓⊔TTL. HTL
9	AK58 (including HME1)		Up to 20 bit singleturn Up to 40 bit multiturn	± 30	Solid / hollow shaft	SSI BiSS C
D.	AP58		1 – 65.536 (pulses per revolution)	± 60	Solid / hollow shaft	⊓⊔ TTL, HTL
H O	A102H		5.000; 9.000	Up to 7	Hollow shaft	∼11 uApp ∼1 Vpp ⊓⊔ TTL
9)	AM		16 – 1.024 for HTL / Up to 12 bit for SSI	± 1080	Solid shaft	TLI TTL, HTL SSI UVW

LINEAR ENCODERS

MODEL		CROSS REFERENCE	MEASURING LENGTH (MM)	ACCURACY (μM/M)	OUTPUT SIGNALS
\$	L18	Heidenhain LS 300, 400, 800, 900 Series Fagor M Series RSF MSA 67 Series	70-2.040	± 10; ± 5; ± 3	∼11 uApp ∼1 Vpp ⊓⊔TTL
* * ss	L18B	RSF MSA 67 Series	70-3.240	± 10; ± 5	~11 uApp ~1 Vpp ⊓⊔TTL
100	L18T	Heidenhain LS 400 Series Fagor SX, SY, SW, SP Series	70-1.240	± 10; ± 5	∼11 uApp ∼1 Vpp ⊓⊔∏L
	L23		250-20.000	± 10; ± 5; ± 3	⊓⊔⊞
	LK24		70-3.240	± 5; ± 3	SSI BiSS C FANUC a DRIVE-CLiQ
1	L35	RSF MSA 37, 39 Series	170-3.240	± 5; ± 3	∼11 uApp ∼1 Vpp ⊓⊔ TTL
• • ===	L35T	Heidenhain LS 500, 600, 700 Series RSF MSA 37, 39 Series	170-3.240	± 10; ± 5; ± 3	∼11 uApp ∼1 Vpp ⊓⊔TTL
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The same	L50	Heidenhain LB 300 Series	3.240-30.040	± 10	∼11 uApp ∼1 Vpp r⊔TTL
	MT		Up to 50.000	± 20	∼1 Vpp ⊓ TTL HTL
Santa Sa	MK		Up to 50.000	± 35	SSI BiSS C CANopen

TAILOR MADE ENCODER KITS

MODEL	CROSS REFERENCE	RESOLUTION	ACCURACY	SHAFT TYPE	ТҮРЕ	INTERFACE
AR25	Netzer "DS25"	up to 20 Bit (absolute) any number from 1 to 802816 (TTL) 196 lines on disc (1Vpp)	±10" *	Hollow Shaft (Ø6H8)	Absolute / Incremental	BiSS C / SSi (absolute) TTL / 1Vpp
AR34		22 Bit	±10" *	Hollow Shaft	Absolute	BiSS C / SSi
AR42		Any number from 1 to 11 796 480	±10" *		Incremental	TTL
AR79	MOOG FMC Resolver	22 Bit	±10" *	Hollow Shaft (Ø27)	Absolute	BiSS C / SSi (Only with one optical chip)
AR90	Netzer "DS90"	22 Bit	±10" *	Hollow Shaft (Ø50)	Absolute	BiSS C / SSi (Only with one optical chip)
AR100	Netzer "DF100"	22 Bit	±10" *	Hollow Shaft (Ø57H7)	Absolute	BiSS C / SSi (Only with one optical chip)
AKW100		24 Bit	±10"	Hollow Shaft (Ø40H6)	Absolute	BiSS C / SSi
AKW150		25 Bit	±10"	Hollow Shaft	Absolute	BiSS C / SSi
Encoder-AN		Up to 22 Bit	±10" *	Hollow Shaft (Ø50)	Absolute	BiSS C / SSi

^{*} Expected at optimal mechanical installation.



MODEL		CROSS REFERENCE	NUMBER OF LINES*	ACCURACY (ARC. SEC)	SHAFT TYPE	OUTPUT SIGNALS
	А90Н	Heidenhain RON 200 Series Fagor H-D90 Series	18.000	± 5	Hollow shaft w/ integrated stator coupling	∼11 uApp ∼1 Vpp ⊓⊔TTL
(4)	A110	Heidenhain ROD Series Fagor S-D90 Series	18.000	± 5	Solid shaft	∼11 uApp ∼1 Vpp ⊓⊔∏L
	A110H	Heidenhain RON 200 Series	18.000	± 5	Hollow shaft w/ integrated stator coupling	∼11 uApp ∼1 Vpp ⊓⊔⊤⊤L
	A170	Heidenhain ROD 700, 800 Series	18.000 / 36.000	± 2.5	Solid shaft	∼11 uApp ∼1 Vpp ⊓⊔ TTL
(9)	A170H	Heidenhain RON 700 Series	18.000 / 36.000	± 2.5	Hollow shaft w/ integrated stator coupling	∼11 uApp ∼1 Vpp ⊓⊔TTL
0)	A200H	Heidenhain RON 700, 800 Series	36.000	± 2	Hollow shaft w/ integrated stator coupling	∼11 uApp ∼1 Vpp ⊓⊔TTL

^{*}possible interpolation factor up to x100.

Precizika Metrology has a long history of old traditions in the leadership of design and production of metrological equipment – rotary, angle, linear encoders and optical encoder gratings. The Lithuanian company has been in the industry for over 50 years and with this heritage comes both pride and great responsibility to continuously move forward, improve and evolve in order to satisfy the ever-changing industry needs. A huge part of time spent in the industry was dedicated to working with top-of-the-line original equipment manufacturing (OEM) companies, listening to their feedback and providing innovative solutions to a variety of diverse conundrums.

Consistent supply of high quality products and services that match or exceed the quality standards our customers expect and deserve is the main goal that drives us forward, constantly

investing in new projects, future proof equipment and bright minds. The ability to take advantage of accumulated know-how and to channel the experience provides us with a unique perspective and position in the market that opens new ways to innovate and provide industry defining product solutions.

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