

Tachogenerators and Large Bore Hollow Shaft Encoders



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Trade Enquiries Welcome



ATI Systems

BAUMER HUBNER / THALHEIM Encoders & Tachos



ITD Series



HOG 10

POG 10



HDmag MIR 3000F / MQR 3000F



MDFK/MEFK/ITD



HDmag MHGE / MHGP / MHAP / MHAD



HDmag MHAD 50

Large Bore Hollow Shaft Incremental Encoders

Part No.	Pulse Rate	Supply Voltage	Hollow Shaft
ITD41A4Y681024HNIKR1S30IP5450	1024	8-30 VDC	30MM Through Hollow
ITD70A4Y71024HNIKR1S60IP54	1024	8-30 VDC	60MM Through Hollow
ITD70A4Y71024HNIKR1S75IP54	1024	8-30 VDC	75MM Through Hollow

Industrial Duty Incremental Encoders

Part No.	Pulse Rate	Supply Voltage	Shaft
POG10-DN1024-I	1024	9 - 30 VDC	Shaft 11mm
POG10-DN2048-I	2048	9 - 30 VDC	Shaft 11mm
HOG10-DN1024-I16H7-KLK	1024	9 - 30 VDC	Hollow Shaft 19mm
HOG10-DN2048-I16H7-KLK	2048	9 - 30 VDC	Hollow Shaft 19mm

Incremental Bearingless Encoders

Part No.	Description
HDmag MIR 3000F	Flexible magnetic tape encoder, shaft removal maintaining a free shaft end not required Up to 131,072 pulses per revolution Integrated signal processing For shafts up to Ø3183 mm

MDFK/MEFK/ITD	Pulses per revolution 20...8192 For shafts Ø6...150 mm Square wave and sinusoidal signals Very compact and cost-effective
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HDmag MHGE	Especially robust and precise Pulses per revolution up to 32768 Integrated signal processing For shafts up to Ø740 mm
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HDmag MHGP	Particularly high-resolution Pulses per revolution up to 524,288 Integrated FPGA signal processing For shafts up to Ø340 mm
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Absolute Bearingless Encoders

Part No.	Description
HDmag MHAP/MHAD	Resolution up to 17 bit For shafts up to Ø340 mm SSI or CANopen

HDmag MQR 3000F	Flexible quasi-absolute magnetic tape encoder Position resolution singleturn up to 16 bit Speed resolution up to 24 bit For shafts up to Ø3183 mm
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HDmag MHAD 50	Our compact absolute encoder with additional incremental signals
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Encoder Tester



TDP0,2LT Series



Three Phase Tacho



HENQ1100



ES 001

DC Tachogenerators

Part No.	Mounting Type	Voltage per 1000rpm	Shaft diameter
TDP0,2LT-4B10	Tacho Flange	60 VDC	11 MM Shaft
TDP0,2LT-4B3	Foot Mount	60 VDC	11 MM Shaft
TDP0,2LT-3B10	Tacho Flange	100 VDC	11 MM Shaft
TDP0,2LT-3B3	Foot Mount	100 VDC	11 MM Shaft
KTD50-6B10	Tacho Flange	60 VDC	11 MM Shaft
KTD50-10B10	Tacho Flange	100 VDC	11 MM Shaft
KTD3-2B10	Tacho Flange	20 VDC	11 MM Shaft
KTD3-3B10	Tacho Flange	20 VDC	11 MM Shaft
KTD2-1B14-6	Flange	10 VDC	6 MM Shaft
KTD2-1A4L	Hollow Shaft	10 VDC	12 MM Shaft
TDP 13.06 LT-2 B5KM / B14KM	Flange	200VDC	14 MM Shaft
TDP 13.06 LT-2 B5KM / B14KM	Flange	100VDC	14 MM Shaft

Three Phase Tachogenerators

Part No.	Mounting Type	Voltage per 1000rpm	Shaft diameter
TD3A4KAKM	Modular	30 VDC	10,11,12 and 16mm Hollow Shaft Possible
KTD3A4KAKM	Modular	3 x 23,2 VAC	10,11,12 and 16mm Hollow Shaft Possible

Accessories

Part No.	Description
40588-AG-S	Replacement brush set for KTD3 series DC Tachogenerators
ET.02.1057L	Replacement brush set for KTD50 and TDP0,2LT series DC Tachogenerators

Encoder Tester

Part No.	Description
HENQ1100	Encoder Testing unit for incremental encoders

Incremental Encoder Simulator

Part No.	Description
ES001	<ul style="list-style-type: none"> • Unit for simulation of the function of incremental encoders and scales • Output frequency adjustable from 0 to 500 kHz • Outputs A, /A, B, /B, Z, /Z with 5 V TTL level or with 10 – 30 V HTL level • Adjustable direction of rotation (phase relation A/B) • Programmable marker pulse distance