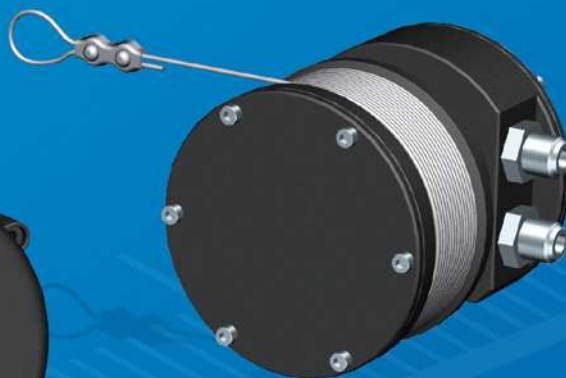


拉线编码器

精准、耐用的线性位置反馈技术

Linear encoder, accurate and durable linear position feedback technology



线性定位和行程位移反馈的理想解决方案

Ideal solution for linear positioning and stroke measurement

拉线编码器 Linear encoder



产品系列 Product series	LTF50	LMF55	LTF55	LTF63	LTF81
功能原理 Function principle	增量式 Incremental	增量式/绝对式 Incremental/absolute	增量式/绝对式 Incremental/absolute	增量式/绝对式 Incremental/absolute	增量式/绝对式 Incremental / absolute
感应原理 Sensing method	光电 Optical	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic
测量长度 Length measurement	1000mm	500mm	1500mm	2000mm	4000mm
外形尺寸 Housing size	50×50mm	55×55mm	55×55mm	63×63mm	80×80mm
电源 Voltage supply	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC
输出方式 Output stage	RS422/TTL Push-Pull/HTL NPN Open Collector	RS422/TTL, Push-Pull/HTL, NPN Open Collector CANopen, Modbus-RTU, PROFINET, SSI, RS485			
分辨率 Resolution	≥0.016mm	≥0.0293mm	≥0.0244mm	≥0.0244mm	≥0.0488mm
线性度 Linearity	±0.05%FS	±0.05%FS	±0.05%FS	±0.05%FS	±0.05%FS
工作温度 Operating temperature	-20°C...+70°C	-20°C...+70°C	-20°C...+70°C	-20°C...+70°C	-20°C...+70°C
防护等级 (编码器) Protection(encoder)	IP65	IP66	IP66	IP66	IP65
最大往返速度 Max.round trip speed	≤1000mm/s	≤1000mm/s	≤1000mm/s	≤1000mm/s	≤1000mm/s
特 性 Features	测量长度1m 配增量式编码器 Measure the length of 1m, with incremental encoder	测量长度0.5m 配增量式或 绝对值编码器 Measure the length of 0.5m, with incremental or absolute encoder	测量长度1.5m 配增量式或 绝对值编码器 Measure the length of 1.5m, with incremental or absolute encoder	测量长度2m 配增量式或 绝对值编码器 Measure the length of 2m, with incremental or absolute encoder	测量长度4m 配增量式或 绝对值编码器 Measure the length of 4m, with incremental or absolute encoder

安装方便，测量结果可靠

Convenient installation and reliable measurement results

拉线编码器 Linear encoder

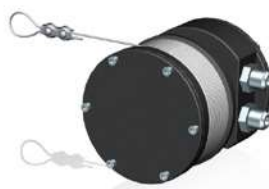


产品系列 Product series	LDF80	LTF116	LTF156	LDF130
功能原理 Function principle	增量式/绝对式 Incremental / absolute	增量式/绝对式 Incremental / absolute	增量式/绝对式 Incremental / absolute	增量式/绝对式 Incremental / absolute
感应原理 Sensing method	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic
测量长度 Length measurement	4000mm	6000mm	8000mm	15000mm
外形尺寸 Housing size	80×80mm	115×115mm	155×155mm	130×130mm
电源 Voltage supply	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC
输出方式 Output stage	RS422/TTL, Push-Pull/HTL, NPN Open Collector CANopen, Modbus-RTU, PROFINET, SSI, RS485			
分辨率 Resolution	≥0.0488mm	≥0.03mm	≥0.04mm	≥0.066mm
线性度 Linearity	±0.05%FS	±0.05%FS	±0.05%FS	±0.05%FS
工作温度 Operating temperature	-20℃...+70℃	-20℃...+70℃	-20℃...+70℃	-30℃...+70℃
防护等级(编码器) Protection(encoder)	IP66	IP65	IP65	IP66
最大往返速度 Max.round trip speed	≤1000mm/s	≤1000mm/s	≤1000mm/s	≤1000mm/s
特 性 Features	测量长度4m 配增量式或绝对值编码器 Measure the length of 4m, with incremental or absolute encoder	测量长度6m 配增量式或绝对值编码器 Measure the length of 6m, with incremental or absolute encoder	测量长度8m 配增量式或绝对值编码器 Measure the length of 8m, with incremental or absolute encoder	测量长度15m 配增量式或绝对值编码器 Measure the length of 15m, with incremental or absolute encoder

可配置多种常规接口

Various conventional interfaces can be configured

拉线编码器 Linear encoder



产品系列 Product series	LCF100	TDF60	LHF130	LTF116+EXDJ78
功能原理 Function principle	绝对式 Absolute	绝对式 Absolute	绝对式 Absolute	防爆绝对式 absolute
感应原理 Sensing method	磁性 Magnetic	磁性 Magnetic	磁性 Magnetic	磁性 Magnetic
测量长度 Length measurement	8300mm	3000mm	4000mm	6000mm
外形尺寸 Housing size	Φ106x68mm	130×89×66mm	Φ130×141mm	115×115mm
电源 Voltage supply	5VDC 9-26VDC 5-30VDC	10-30VDC	10-30VDC	10-30VDC
输出方式 Output stage	CANopen冗余	CANopen Modbus-RTU SSI	CANopen	CANopen Modbus-RTU PROFINET, SSI
分辨率 Resolution	≥0.1mm	≥0.03157mm	≥0.0235mm	≥0.03mm
线性度 Linearity	±0.5%FS	±0.1%FS	±0.1%FS	±0.05%FS
工作温度 Operating temperature	-40...+85℃	-40℃...+85℃	-40℃...+85℃	-20℃...+70℃
防护等级 (编码器) Protection(encoder)	IP67	IP67	IP66	IP66
最大往返速度 Max.round trip speed	≤1000mm/s	≤1000mm/s	≤10m/s	≤1000mm/s
特 性 Features	双输出冗余传感 测量长度8.3m 配绝对值编码器 Measure the length of 8.3m, with absolute encoder	测量长度3m 配绝对值编码器 Measure the length of 3m, with absolute encoder	测量长度4m 配绝对值编码器 Measure the length of 4m, with absolute encoder	测量长度6m 配防爆绝对值编码器 Measure the length of 8m, with Explosion-proof absolute encoder     

满足测量精度和使用寿命方面最苛刻的需要

Meet the most demanding requirements for measuring accuracy and service life

拉线编码器 Linear encoder



产品系列 Product series	LCF55	LCF80	LCF130	LCF190
功能原理 Function principle	绝对式 Absolute	增量式/绝对式 Incremental / Absolute	增量式/绝对式 Incremental / Absolute	增量式/绝对式 Incremental / Absolute
感应原理 Sensing method	磁性 Magnetic	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic	光电/磁性 Optical/Magnetic
测量长度 Length measurement	1250mm	3000mm	5000mm	10000mm
外形尺寸 Housing size	55*55mm	81*81mm	130*130mm	190*190mm
电源 Voltage supply	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC	5VDC 9-26VDC 5-30VDC
输出方式 Output stage	CANopen SSI	RS422/TTL, Push-Pull/HTL, NPN Open Collector CANopen, Modbus-RTU, RS485		
分辨率 Resolution	≥0.03662mm	≥0.0562mm	≥0.094mm	≥0.1355mm
线性度 Linearity	±0.05%FS	±0.02%FS	±0.05%FS	±0.05%FS
工作温度 Operating temperature	-30°C...+70°C	-30°C...+80°C	-30°C...+70°C	-30°C...+70°C
防护等级 (编码器) Protection(encoder)	IP67	IP66/IP67	IP66	IP66
最大往返速度 Max.round trip speed	≤1000mm/s	≤1000mm/s	≤2000mm/s	≤1000mm/s
特性 Features	测量长度1.25m 配绝对值编码器 Measure the length of 1.25m, with absolute encoder	测量长度3m 配增量式或绝对值编码器 Measure the length of 3m, with incremental or absolute encoder	测量长度5m 配增量式或绝对值编码器 Measure the length of 5m, with incremental or absolute encoder	测量长度10m 配增量式或绝对值编码器 Measure the length of 10m, with absolute encoder



托菲传感技术
高性能工业编码器、传感器解决方案



编码器
传感器

托菲传感技术(上海)股份有限公司

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