

**Programmable Absolute Encoder**



A fully programmable multi-turn absolute encoder which can be customer configured via a PC using programming software EPROG. Absolute encoders can be used on virtually any rotary axis where the control system requires feedback on the position or velocity of the axis and give precise position information on restart following loss of power to either the system or the encoder. For programming purposes only, a PC adaptor RS422/RS485 and terminal block are required for connection from encoder to PC.

- Profibus and Device net versions available.
  - Most field bus configurations available.
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|--------------------|---|
| Steps / Revolution | 132k / 65k                              |
| Interface          | Synchronous serial                      |
| Programming        | PC / programming terminal               |
| Operating voltage  | 11-30VDC                                |
| Data transmission  | RS 422                                  |
| Shaft diameter     | 6mm / 10mm                              |
| Power consumption  | ≤ 3W (no load)                          |
| Temperature        | -20°C to +80°C                          |
| IP rating          | IP67, configuration dependant           |
| Shaft load         | 40N axial, 60N radial (at end of shaft) |
| Housing diameter   | 65mm                                    |
| Maximum RPM        | 12000                                   |

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10+
4024128	ZE-65M-SSI	ABSOLUTE ENCODER	554.00	531.84	509.68
4024137	49-000-301	PC ADAPTOR	142.00	136.32	130.64
4024140	49-000-101	TERMINAL BLOCK	23.00	22.08	21.16
4024143		SOFTWARE/MANUAL	0.00	0.00	0.00

**Programmable Incremental Encoder**



A programmable incremental encoder for precise recording of mechanical rotary movement. This sturdy, reliable encoder is ideal for harsh operating environments and is impervious to shock, vibration, contamination & fluctuating temperatures. For programming purposes only, a PC adaptor RS422/RS485 and terminal block are required for connection from encoder to PC.

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|-------------------|--|
| Lines             | 5 to 32768 (programmable)                |
| Output channels   | A, B, Z + inverted signal                |
| Operating voltage | 11-27VDC                                 |
| Output            | 11-27VDC (push-pull), 5VDC (line driver) |
| Output frequency  | 160kHz (push-pull), 300kHz (line driver) |
| Shaft diameter    | 6mm / 10mm configuration dependant       |
| Temperature       | 0 to +60°C                               |
| IP rating         | IP65, configuration dependant            |
| Shaft load        | 40N axial, 60N radial (at end of shaft)  |
| Maximum RPM       | 6000                                     |
| Housing diameter  | 58mm                                     |
| Options           | Position Z programmable                  |

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10+
4024131	ZI-58	INCREMENTAL ENCODER	240.00	230.40	220.80
4024137	49-000-301	PC ADAPTOR	142.00	136.32	130.64
4024140	49-000-101	TERMINAL BLOCK	23.00	22.08	21.16
4024143		SOFTWARE/MANUAL	0.00	0.00	0.00

**Laser Distance Measuring Device**



A laser distance measuring encoder which will record linear movements directly and convert them into electrical information, then feed them into units such as displays, controllers and computers for further processing. For programming purposes only, a PC adaptor RS422/RS485 and terminal block are required for connection from encoder to PC.

- Profibus, Device net & other versions available.
- Range to 200m
- Rugged construction
- Supplied with reflector

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|------------------------|-------------------------------|
| Range                  | 0.2 - 200metre                |
| Resolution             | 0.5mm                         |
| Interface              | Synchronous serial            |
| Programming            | PC                            |
| Operating voltage      | 18-27VDC                      |
| Data transmission      | SSI - RS 422                  |
| Power consumption      | < 6W (no load)                |
| Laser protection class | 2 (IEC 825)                   |
| Temperature            | 0 to +50°C                    |
| Repeatability          | ± 2mm                         |
| IP rating              | IP65, configuration dependant |
| Options                | Programmable signal bits      |

Stock No.	Manf Ref'	Type	Unit Price		
			1-4	5-9	10+
4024134	LE-200SSI	LASER DEVICE	1406.00	1349.76	1293.52
4024137	49-000-301	PC ADAPTOR	142.00	136.32	130.64
4024140	49-000-101	TERMINAL BLOCK	23.00	22.08	21.16
4024143		SOFTWARE/MANUAL	0.00	0.00	0.00

