Encoders provide cost-effective solution for small applications

AutomationDirect has added Koyo inch-size light and medium-duty encoders to its line of positioning and motion control products. These stainless steel solid-shaft encoders provide a cost-effective solution for small applications.

The TRDA-2E series light-duty encoders have a 0.25-inch diameter stainless steel solid shaft and offer resolutions from 100 to 2,500 pulses per revolution. The encoders are fitted with a two-meter cable with tinned ends and are available with 12-24 VDC open-collector or 5VDC line-driver outputs; the series provides up to 200 kHz response frequency. The TRDA-2E series encoders start at $89.

The TRDA-20 series medium-duty encoders have a 0.375-inch diameter stainless steel solid shaft and offer resolutions from 100 to 2,500 pulses per revolution. The encoders are fitted with a two-meter cable with tinned ends and are available with 5-30 VDC totem-pole (push/pull) or 5VDC line-driver outputs; the series provides up to 200 kHz response frequency. The TRDA-20 series encoders start at $109.

The TRDA-25 series medium-duty encoders have a 0.375-inch diameter stainless steel solid shaft and offer resolutions from 100 to 2,500 pulses per revolution. Fitted with a military-style connector, these encoders also have a removable 2.5-inch round flange. Available with 5-30 VDC totem-pole (push/pull) or 5 VDC line-driver outputs, the series provides up to 200 kHz response frequency. The TRDA-20 series encoders start at $175. Military-style connector cables are available in 10, 20 and 30-foot lengths, starting at $62.

All TRDA encoders feature a reinforced aluminum die cast casing, have an operating temperature range of -10 to +70 degrees C, and have no mounting restrictions. Flexible encoder couplings in aluminum and glass reinforced resin, servo mount brackets, mounting brackets and flanges are also available.

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