

Resistant to any shock: TR-Electronic presents Heavy Duty Incremental Encoders IS99/IV99

The new IS99 and IV99 incremental rotary encoders from TR-Electronic enable precise and reliable speed and position control on powerful drives in heavy machinery construction.

The new incremental encoders from TR Electronic have been specially developed for use under extreme conditions, like those found in heavy industry for example, with conveyor belts and bucket-wheel excavators in surface mining, in elevator construction or in wind power plants. They ensure reliable speed and position control on powerful drives in these applications.

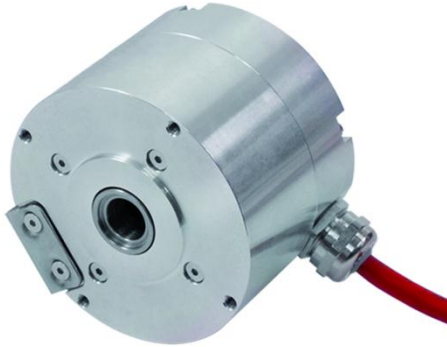
The incremental rotary encoders are available with an 11mm solid shaft (IV99) or a 12 or 16mm slip-on hollow shaft (IS99) - with resolutions of 1,024 to 32,768 rectangular pulses per revolution. On the IV99 with solid shaft the mounting dimensions have been optimally adapted to EURO flange B10.

Thanks to their high vibration resistance of up to 250m/s^2 , shock resistance of up to $1,500\text{m/s}^2$, IP67 protection class and large temperature range from -20° to $+80^\circ$, these robust incremental encoders can withstand even the harsh everyday conditions of heavy duty operation reliably and constantly.

The terminal compartment for electrical connection is safely sealed in relation to the disk and electronics. This effectively prevents contamination or damage to the electronics during installation. The shafts are electrically insulated from the housing and electronics.

With the new IV/IS99 rotary encoders, TR Electronic is extending its comprehensive program of factory-preconfigured incremental encoders with an additional heavy duty option. TR-Electronic heavy-duty incremental rotary encoders have solid aluminium or stainless steel housings and are equipped with heating or cooling elements if required. ATEX-compliant and salt and acid resistant housings can also be used, depending on the application.

Image file IS99 (TR-Electronic)



Heavy duty incremental rotary encoder IS99

Image file IS99 (TR-Electronic)



Heavy duty incremental rotary encoder IV99

Further information:

All incremental rotary encoders in this family:

www.tr-electronic.de/s/S007063