



GREENBANK
MACHINERY & PLANT LTD

Absolute singleturn encoder TKC50

Features: TKC50- robust absolute singleturn encoder suitable for various industrial applications, especially designed for heavy duty applications. - Robust encoder for various applications; - high reliability and long service life; - resolution: 12 bit standard/ 13 bit on request; - high protection degree up to IP66; - STD codes: GRAY/ BINARY/ BCD/ ANALOG; - cable and connector outputs; Power supply/ STD codes Output frequency 5 V; 11÷30 V; 18÷30 V GRAY/ BINARY/ BCD/ ANALOG from 0 to 20 kHz (L.S.B. without error/) against inversion of polarity (except 5V)

ALTERNATIVE ENERGY

A high reliability and accuracy of reading is also required in the field of renewable energy (photovoltaic, wind) particularly in the development of photovoltaic fields where the solutions developed by **ITALSENSOR** provide programmable absolute encoders with protection degree IP67, manufactured with materials treated to resist on an ongoing exposure of the elements (rain, sun, UV radiation), currently thousands of devices are employed for the control of solar tracking systems (biaxial and uniaxial tracker) allowing an accurate orientation of the photovoltaic modules based on the position of the Sun maximizing in this way the final yield and the reliability of the entire photovoltaic plant.

MEDICAL

MRI mobile bed scanner (magnetic resonance) It is possible to customize the size of the encoder to adapt it for each application, from the smallest size commonly used in automation industry

MILITARY

The TKC50 has fundamental components in some of the most advanced defense systems.

PACKAGING INDUSTRY

An important factor for systems that must run on a continuous 7 days a week 24 hours a day every day of the year. Currently Italsensor transducers have lifetimes of over 10 years, contributing to reduce the time associated with downtime.

FOOD INDUSTRY

Italsensor is able to produce transducers in accordance with current regulations and in particular can customize in a relatively short time very specific solutions for the final customer.

TELECOMMUNICATIONS

Italsensor encoders are normally used on position control systems of the radar mounted on boats using materials and specific solutions for particularly aggressive environments such as saline environment.

VISION SYSTEMS, SECURITY & SURVEILLANCE SYSTEMS

Italsensor has developed and customized various product lines by providing high-resolution models in reduced mechanical dimensions for (reflection measurement systems) or for topographic survey plane (mapping areas) or for the control of the workpieces within automatic lines.

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