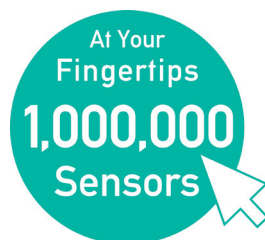


POSITION AND MOTION SENSORS**Programmable Encoder 2.0**

POSITAL is introducing powerful new programming capabilities and tools for their IXARC series of rotary encoders. Programmable incremental encoders have proven to be popular over the past several years since the measurement characteristics of the device (number of pulses per rotation, output level, etc.) can be modified through a software update without requiring any changes to physical components. Now however, the engineers at POSITAL have taken the programmability concept to a whole new level with the new generation of IXARC rotary encoders.

These new sensors:

- Provide both incremental and absolute encoder functions on a common hardware platform.
- Now Analog encoders are programmable too.
- Are available in very compact 36 mm versions – small enough to fit in the palm of your hand!
- Are supported by comprehensive configuration management tools that can be accessed by end users over the full working life of the encoder.
- Can be programmed by any WiFi-enabled electronic device.



POSITION AND MOTION SENSORS



UBIFAST Configuration Tool

Simple Programming

POSITAL is introducing powerful new programming capabilities and tools for their IXARC series of rotary encoders. With these new capabilities, the encoders' performance characteristics can be extensively modified through software changes, without requiring any changes to physical components. In a related development, POSITAL is introducing the UBIFAST configuration tool, a hardware module that can be easily connected to programmable encoders through accessory cables. The UBIFAST tool features a built-in WiFi hotspot and webserver. Once the tool has been powered up, any WiFi-enabled smartphone, tablet, or laptop computer can connect to the WiFi hotspot and the configuration interface will automatically open up in a standard web browser window – no app, no software installation, and no Internet connection are required. POSITAL also presents an Internet-enabled configuration management system for IXARC programmable encoders. Whenever a device is reconfigured, the operator has the option of registering the changes with POSITAL through an automatic email interface.

Configurable Parameters

Three different rotation measurement modes can be configured, using the common hardware platform:

- > Incremental
- > SSI + Incremental
- > Analog

Absolute Encoder Parameters:

- > Singleturn resolution
- > Number of turns
- > Code (gray or binary)
- > Code sequence
(clockwise or counter-clockwise increasing)
- > Preset value (output value the encoder should show when zero set pin is pressed)
- > Analog output (0-5 V or 0.5 to 4.5 V / 0-10 V or 0.5 to 9.5 V)
- > Analog measurement range
- > Additional new features of UBIFAST factory reset, copy configurations, linear to rotary conversion.

Incremental Encoder Parameters:

- > Pulses per revolution (any number 1 to 16384)
- > Incremental output driver
Push Pull (HTL) or Line Driver (TTL)

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