PROGRAMMABLE ENCODER

- Incremental optical encoder, diam. 58 mm
- User programmable up to 65536 ppr
- Selectable by user: counting direction, zero pulse, output voltage
- Software free of charge
- USB programming cable

TISP58
TISPW58

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**MAIN BENEFITS**

- **Warehouse optimization** - ideal solution for different applications that require one single encoder’s model, one mechanical setup with different resolutions up to 65536 ppr

- **Lead time reduction** - timeline reduction in maintenance services

- **Costs reduction of downtime** - reduction of time to configure encoders up to your needs. Counting direction, zero pulse and output voltage can be set by end user.

- **Device diagnostic** through signaling LED on the encoder’s housing.

- **Zero adjust** through push button on the encoder’s housing

- **Easy operation** - no need of any expensive programming tool, a simple USB programming cable is required to power and program both encoders by PC/laptop USB port.

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**TISP58**

- **SOLID SHAFT**
  - Body diameter: 58 mm
  - Type of flanges: square, servo standard, servo clip, FRE (REO 444)
  - Diameter shaft: 6, 8, 9.52, 10, 11, 11R
  - Resolution: from 1 to 65536 PPR
  - Output interfaces: LD2, PP2
  - Protection class: IP64, IP65, IP66

**TISPW58**

- **HOLLOW SHAFT**
  - Body diameter: 58 mm
  - Mechanical assembly with antirotational spring
  - Diameter blind shaft: 6, 8, 9.52, 10, 11, 12, 12.7, 14, 15 (reducing bushes, except 15 mm)
  - Resolution: from 1 to 65536 PPR
  - Output interfaces: LD2, PP2
  - Protection class: IP64, IP65

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PROGRAMMING

STEP 1

✓ DOWNLOAD SOFTWARE & MANUALS

Download software and manuals for programmable encoders directly from Italsensor’s website:

http://www.italsensor.com/tisp58/
http://www.italsensor.com/programmable-tispw58/

✓ INSTALLATION TISP MANAGER

Once download is completed, proceed with installation of file TISP58-Manager.exe following the instructions of manual.

STEP 2

✓ PROGRAMMING CABLE

Pick up the programming cable and connect it to a free USB port on PC, the other end with a 12 pin female connector is to be connected to the encoder’s male connector.

Once finished, the green LED indicator on the encoder will turn green.

✓ ACTIVATING OF CONNECTION

Once connected, it allows you to select COM port pressing the button Open COM

If the operation completed successfully, the software proceeds to read the firmware release and enables configuration panel of encoder’s parameters Encoder Parameters
**STEP 3**

√ **SETTING PARAMETERS**

Setting resolution: to set a new value write the desired resolution in the PPR box, valid values range from 1 to 65536 ppr. Press the WRITE button. The result of the operation is notified in the summary window - COMMUNICATION LOG

Reading of the resolution set: press the READ button. If the operation is successful, the readed resolution will be reported into the text box on the left of reading button.

In a similar way proceed with the setting of:
- counting direction;
- zero pulse;
- voltage output

√ **SAVING CONFIGURATION**

From the File menu select SAVE CONFIGURATION option, than choose the file name that will be used to save the actual configuration.

Press OK button, and if everything goes smoothly, the FILE SAVED notification will appear.

For more details check user’s manuals, available on our website www.italsensor.com or contact us to info@italsensor.com

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