GEL 210 T/X

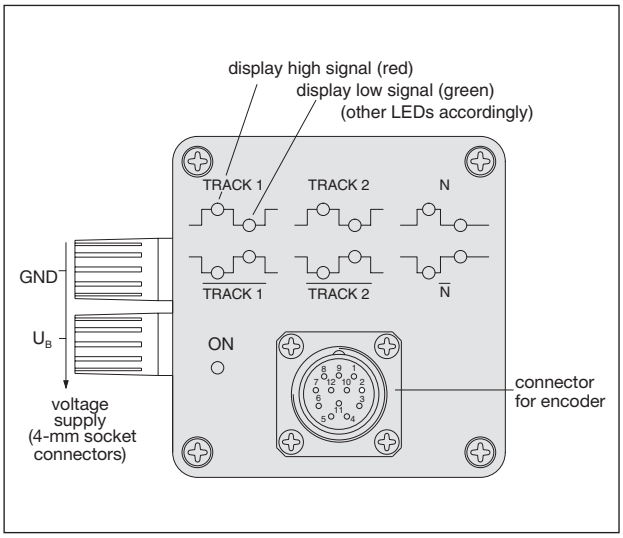
Test device for encoders with rectangular output

SENSORLINE

LENORD+BAUER

Technical information

Stand 02.06



Fields of application:

This device serves to check encoders with square-wave signal-outputs with the following signal shapes:

- **T, TN**
  operating voltage U_B = 5 V DC $\pm$ 5 %
  current consumption max. 35 mA
- **V, VN, X, XN**
  operating voltage U_B = 10 ... 30 V DC
  current consumption 40 ... 80 mA

Functioning:

Each signal output of the encoder is checked for its ability to deliver a valid high or low signal. This is acknowledged by either the red or the green LED. One output is loaded with approx. 2.8 kΩ against 0 V and against U_B. The low level must not be higher than 20 % of the operating voltage. High level must be at least 80 % of the operating voltage. If the signal levels are not correct or there is no output signal at all (e.g. a failure of contact), the corresponding LED is off. For the signal shape V there is no display for the inverse signals (lower row of LEDs).

Caution:

The encoder to be tested needs to be fed via the testing device GEL 210.

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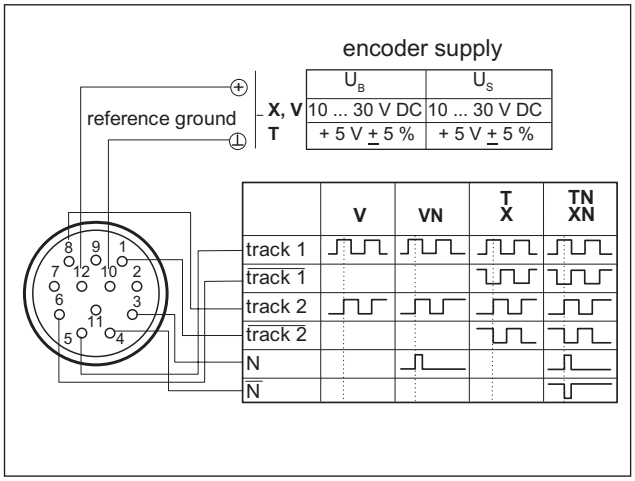
Pin layout,
Type code

Pin layout



Type code

		signal pattern
	TN	square-wave signal 5 V DC and their inverse signals with reference signal
	XN	square-wave signal 10 ... 30 V DC and their inverse signals with reference signal
210	_ _	

Subject to technical modifications and typographical errors.
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