

CONTACTLESS HIGH RATE POSITION TRANSMITTER

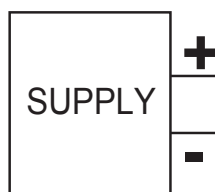
General features

Eisenbau has developed a high-performance angle meter for accurate detection and monitoring of position value with maximum precision. The G1 position transmitter detects the angular position of the shaft and CONVERTS it into current proportional signal.

Thanks to "Contactless" technology, our transmitter is able to maintain a high repeatability of measurement over time.

Technical data TX G1

Measurement range.....	0 - 180°
Sense of rotation.....	clockwise or counter-clockwise programmable
Wiring.....	2 wire connection
Supply voltage.....	12 - 32 Vdc
Supply current.....	4-20mA loop powered device
Output signal.....	4-20mA
NAMUR NE43 Upscale/Downscale.....	23 mA / 3.5 mA
Internal power dissipation.....	0,48 W
Repeatability / resolution.....	0,1°
Accuracy.....	± 0,15°
Sample rate.....	up to 1250 Hz
EMC immunity influence.....	< 0,5 % of span
Temperature range (Standard).....	-25°C to +85°C
(with improved climatic range).....	-40°C to +85°C



Why you should choose it:

- Programmable measuring range and rotation direction using two keys (Easy set point)
- No wear
- Little maintenance required
- 4 – 20 mA analogue output signal, with 2-wire connection.
- Various possibility of use

Product series ■ Material ■ Cable entries ■ Fixing bracket ■ 3D position indicator ■ Ambient T(°C) ■ Terminal strip ■ Switch type&qty ■ Switch code ■ Special features

TX
1
G1
GH

High Speed Version, up to 1,4 ms @ 19 Vdc	GH
Ultra High Speed Version, up to 0,8 ms @ 20 Vdc	GU
Open Port configuration	GO
Calibration Certificate for "G" position transmitter	GC
Low temperature version (-40°C / +85°C)	GT

Code example: GPAN0RGS0TX1G1GH

Operating mode:

Supply voltage (Vdc)	Supply Voltage (Vdc)			Typ. Sample rate (Hz)	Velocity (ms)
	Min.	Typ.	Max.		
LOW SPEED	12	24	32	220 HZ	4,5 MS
NORMAL SPEED	12	24	32	400 HZ	2,5 MS
HIGH SPEED	19	24	32	700 HZ	1,4 MS
ULTRA HIGH SPEED	20	24	32	1250 HZ	0,8 MS

Take the advantages of an easy programming transmitter:

- 1 ■ HIGH RATE FREQUENCY
- 2 ■ HIGH VELOCITY RESPONSE
- 3 ■ HIGH RESOLUTION
- 4 ■ HIGH REPEATABILITY



QR code to access TX G1 documentation