**GENERAL DESCRIPTION:**

The handwheel TGR 30 is an optoelectronic encoder used in PNC, NC and CNC applications for manual positioning.

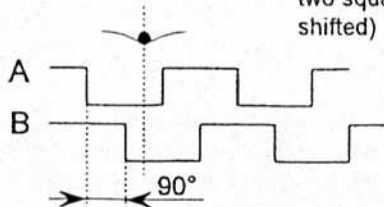
Number of lines: 100  
Output signals: square wave signals 5 V (A, B)

**MECHANICAL DATA:**

|                  |                      |
|------------------|----------------------|
| Number of lines  | 100                  |
| Life time        | $> 10^6$ revolutions |
| Protection class | IP 50                |
| Weight           | 0.6 kg               |

**ELECTRICAL DATA:**

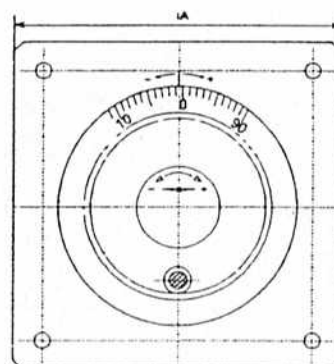
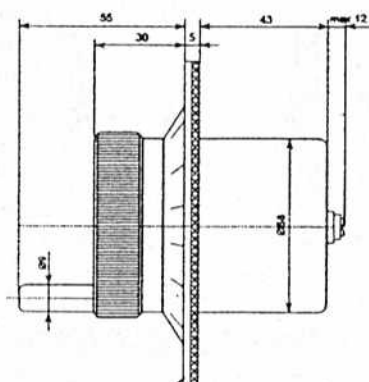
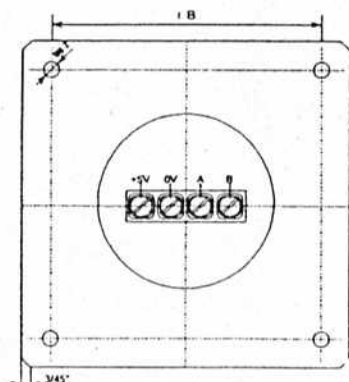
|                   |   |
|-------------------|---|
| Supply voltage    | $5\text{ V} \pm 10\%$                                       |
| Power consumption | $\leq 50\text{ mA}$   |
| Output level      | OC (open collector, LM 339)                                 |
| Load              | 15 mA   |
| Frequency         | 0 - 500 Hz  |
| Output signals    | two square wave output signals (A and B, 90° phase shifted) |

**OPERATING CONDITIONS:**

|                       |               |
|-----------------------|---------------|
| Operating temperature | 0°C to 60°C   |
| Storage temperature   | -20°C to 80°C |

## DIMENSIONS:

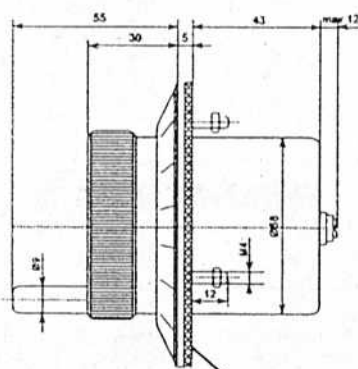
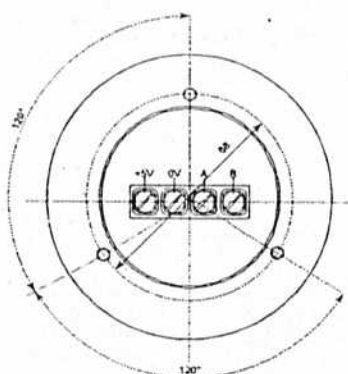
### TGR 30-00, TGR 30-01 with mounting flange



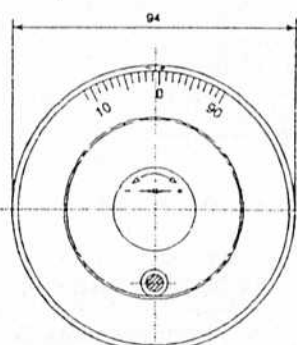
mounting surface

| version   | dimensions |         |
|-----------|------------|---------|
|           | A          | B       |
| TGR 30-00 | 108±0.5    | 89±0.2  |
| TGR 30-01 | 120±0.5    | 100±0.2 |

### TGR 30-02 without mounting flange



mounting surface



## ORDERING DATA:

|        |    |
|--------|----|
| TGR 30 | XX |
|--------|----|

00 ... with mounting flange  
01 ... with mounting flange  
02 ... without mounting flange

**Iskra TELA** d.o.o.

Industrial automation programme

Savska cesta 3, 61000 Ljubljana, SLOVENIA

Phone: +386 61 137-43-33

Direct Phone: +386 61 137-55-14

+386 61 1375-516

Fax: +386 61 1375-124

**GENERALNY DYSTRYBUTOR W POLSCE :**

**TOCK-AUTOMATYKA s.c.**

15-384 Białystok ul. Ks. Abp. E. Kisiela 28

Tel/fax : (0-85) 661-61-21 , 66-11-0-11

<http://www.tock-aut.bialystok.pl>

e-mail: [biuro@tock-aut.bialystok.pl](mailto:biuro@tock-aut.bialystok.pl)