

TG Computing Counter



DIN 32876 Part 2

Up/down counter with one probe input

LC display with illuminated colour background for value classification with green, amber and red.

37 x 37 mm display size. 6 decades plus minus sign

0,001 mm and 0,0005 mm or 0,00001 in.

For probes from another maker with dividing periods of 10 μm = 0,0002 instead of 0,0005 mm or of 2 μm = 0,0001 instead of 0,0005 mm

9 x 4,5 mm

According to chosen tolerance range

40 mm scale length

25

20 keys available for entering values and selecting functions. Power supply 5 Vdc (measuring system).

Output: $\pm 5 \pm 1\%$ Vdc depending on selected tolerance range.

Max. excess voltage: 25% in relation to ± 5 Vdc

Output impedance: < 100 Ω

Resolution: 12 bits

RS 232, bidirectional

Power supply: 7 Vdc. Power consumption: 0,3 A

10 °C to 40 °C

-10°C to 50°C

80%

IP40 (IEC 60529)

Continued on next page

TESA TG Digital Measuring System

Ideal for long measuring travels – Incremental probes with a 30 or 60 mm measuring span – Numerical display to 0,001 or 0,0005 mm – Analogue display with illuminated colour background for value classification – Value storage – PRESET function – To name just a few.



TESA TG - C 10 or TG - C 11 Computing Counter



04630004 TESA TG - C10 computing counter

Up/down computing counter with numerical display*, resolution to 0,001 and 0,0005 mm or 0.00001 in. Features 1 probe input. Also with value classification and value storage capabilities. RS 232 data output.

04630009 TESA TG - C10 computing counter (HEIDENHAIN)

Same execution as above, but compatible with HEIDENHAIN probe MT-1201/2501 only*.

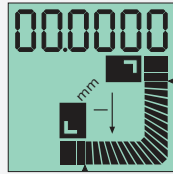
Each unit is supplied with the following accessories:

04761054 1 mains adapter 110 to 240 Vac, 50 to 60 Hz, 6,6 Vdc, 750 mA

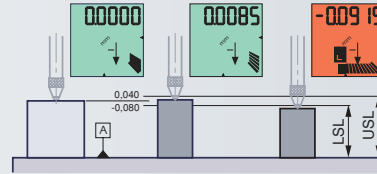
04761055 1 EU adapter cable

* Compatible with equivalent HEIDENHAIN probes with same connector shape and signal.

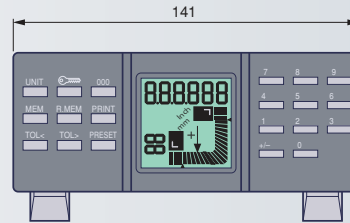
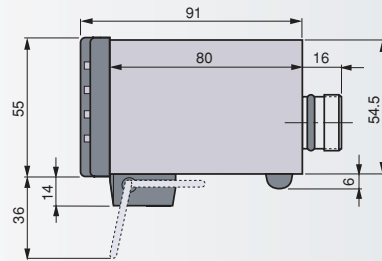
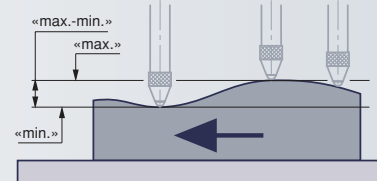




Input of the lower and upper specification limits (LSL and USL)



Digital capture of both extreme values «max.» and «min.» along with the difference between «max.-min.» in dynamic measurement



EN 50081-1,
EN 50081-2,
EN 50082-1,
EN 50082-2

TG - C10
≈ 650 g

Shipping packaging

Identification number

Declaration of conformity



TESA TG 30 and TG 60 Digital Probes

No

=

Digital Probes*

Axial probes with incremental glass scale

04630006 TESA TG 30
30 mm measuring span

S46060525 TESA TG 30
30 mm measuring span. Also with rubber bellow.

04630007 TESA TG 60
60 mm measuring span

Each probe is supplied with the following item:

01960005 1 Retract lever for the measuring bolt

* Compatible with equivalent HEIDENHAIN probes with same connector shape and signal.



TG probe



DIN 32876 Part 2

Axial probe usable in any position. Measuring bolt guided on a plain bearing. Probe insert with M2,5 mounting thread.

Measuring bolt retraction:
 • mechanical retraction, see under standard accessories
 • pneumatic retraction, see table

4,3 mm dia. x 3 m cable. Max. cable extension 10 m.

Incremental glass scale

0,002%/ °C

10°C to 40°C

-10°C to 50°C

80%, non-condensing

IP54* (IEC 60529) *probe housing only

5 ± 10% Vdc

Output signal ± 11 µApp, sinusoidal

Shipping packaging

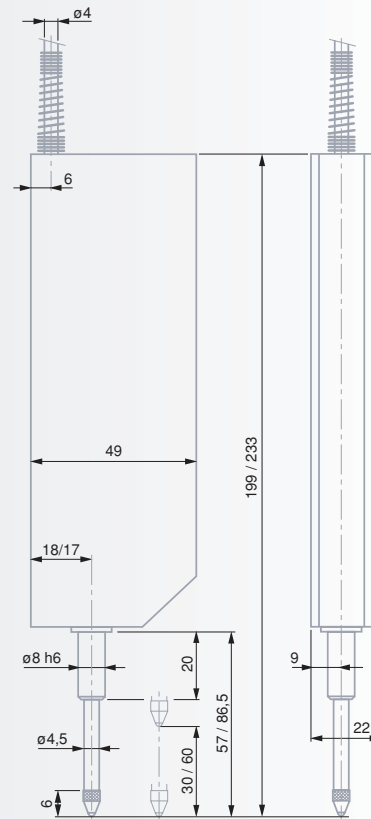
Identification number

Inspection report

Declaration of conformity

TESA electronic probes	TG 30	TG 60
mm	30	60
mm	30,4	60,4
Dividing and signal periods µm	20	40
µm	1,0	2,0
µm	1,0	1,0
µm	1,0	1,0
Close to - lower stop of the measuring bolt* N	0,85	0,90
	± 0,15	± 0,20
	N	N
- upper stop of the measuring bolt* N	1,10	1,45
	± 0,20	± 0,25
Force hysteresis* N	0,1	0,15
Max. transverse force N	2,0	2,0
Pneumatic retraction of the measuring bolt by vacuum or air pressure		
Position of use		**
- vertical bar	0,55 ÷ 0,70	0,60 ÷ 0,75
- horizontal bar	0,42 ÷ 0,57	0,52 ÷ 0,67
- vertical (in suspension) bar	0,30 ÷ 0,45	0,45 ÷ 0,60
m/s	1,4	2,0
Moved mass g	350	365
	28	27

* Applicable with the probe used in vertical position with downward oriented measuring bolt, as well as in static measuring.
 ** TG 60 cannot be used with compressed air.

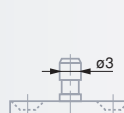


Optional accessories

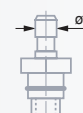
No	Connectors for lifting the measuring bolt by vacuum
01960009	Suitable for TESA TG 30 (No. 04630006)
01960008	Suitable for TESA TG 60 (No. 04630007)
No	Connector for lifting the measuring bolt by air pressure
01960010	Suitable for TESA TG 30 (No. 04630006)



01960009



01960008



01960010

