

N DIN 32876
Part 1

110 mm scale length

6-decade display
plus minus sign

12,5 x 6,6 mm

126 x 62 mm
LCD display,
with 50 scale
divisions

Value limit for a
temperature of
20°C and a relative
humidity of ≤ 50 %
TT20:
Analogue display:
2%
Digital display 0,3 %
Digital output: 0,3 %
TT60:
Analog display: 2 %
Digital display:
0,3 %
Analogue output:
0,3%
Digital output: 0,3%

± 1 numerical
interval

255 x 235 x 120 mm
(W x D x H)

Resistant plastic
material

For a temperature of
20°C and a relative
humidity of ≤ 50 %:
TT20:
Response time of
analogue, digital and
LED classification
displays: ≤ 80 ms.
Maintenance of
digital display:
80 ms.
TT60:
Response time of
analogue, digital and
LED classification
displays: ≤ 80 ms.
Holding of digital
display: 80 ms.
Response time of
the analogue output
signal in relation to
analogue display: ≤
30 ms.

TESATRONIC TT20 and TT60 Probe Display Units

- Functional reliability.
- User-friendly.
- Essential for inspection in production or metrology laboratory.

TESATRONIC TT20

Combined digital and analogue indication

2 probe inputs for single measurements, sum and difference measurements

- Large LC display for comfortable and error-free reading.
- Pseudo-analogue bargraph indication for a better repeatability and negligible hysteresis.
- Choice between pointer or bargraph indication.
- LCD display for all functions.
- 7 measuring ranges, switchable manually or automatically according to the measured value.
- Direct conversion from metric to inch units.
- Touch button for the indication setting of of each measuring channel.
- Keys for introducing limit values.
- Classification of values (3 classes) and display through colour LEDs with signal outputs.
- Locking of displayed values for step by step measurement routines.
- Automatic recognition of the type of connected TESA probe with adaptation of the measurement signals to the value of output connected (valid only for TESA probes produced from 1997 onwards).
- Opto-coupled RS232 output, bidirectional.
- Power supply through mains adapter.

TESATRONIC TT60

Same features as TESATRONIC TT20, but with following added functions:

- Memory for retaining extreme values "max.", "min.", "max.-min." along with mean value obtained from "max." minus "min."
- Dynamic measurement with acquisition of >100 single values.
- Value classification with output signals through contact relay for 5, 10, 20 or 40 acceptable classes.
- Analogue output for exterior processing of signals.






TT60



TT20

No	=	* (Measuring range zoom x5)	* (Memory)
04430009	TESATRONIC TT20 Display unit for 1 or 2 inductive probes	-	-
04430010	TESATRONIC TT60 Display unit for 1 or 2 inductive probes	-	●




	 Number of probe inputs	 Automatic switching of range
TESATRONIC TT60 Display unit for 1 or 2 inductive probes		●
TESATRONIC TT20 Display unit for 1 or 2 inductive probes		●


DELIVERED WITH THE FOLLOWING ACCESSORIES:


04761054	Battery charger 100 ÷ 200 VAC 50 ÷ 60 Hz, 6,6 V DC, 750 mAh supplied without power cable
04761055	Mains cable EU for charger 0471054


OPTIONAL ACCESSORIES:

04768000	Hand switch for manually triggering data transfer. Jack plug connector, 1,8 m – TESA SPC PRINTER printer – TESATRONIC TT display units
04768001	Foot switch for triggering data transfer. Jack plug, 1,8 m – TESA SPC PRINTER printer – TESATRONIC (TT) display units
04761062	Opto-USB cable, Duplex, 2m Bidirectional communication
04761049	Opto-RS cable, Duplex, 2m Bidirectional communication

 For a temperature of 20°C and a relative humidity of ≤ 50 %:
TT20:
Response time of analogue, digital and LED classification displays: ≤ 80 ms.
Maintenance of digital display: 80 ms.
TT60:
Response time of analogue, digital and LED classification displays: ≤ 80 ms.
Holding of digital display: 80 ms.
Response time of the analogue output signal in relation to analogue display: ≤ 30 ms.

 RS232 opto-coupled output

 TT60: Voltage Range: ± 2 V to ± 10 V. Output current: ≤ 2 mA. Load adjustment: ≥ 5 kΩ. Background noise (probe at electrical zero) ≤ 1 mV. Reference potential: ground 0 V.

 Supply: 6,5 V DC up to 7,3 V DC. Supply frequency: 13 ± 0,65 kHz. Power consumption: 2 W. Monitored voltage variations. Probe supply voltage: 3 V.

 Protection of frontal face: IP54 (IEC 60529, DIN 40 050)

 IEC/EN 61326-1
USA: CFR47, Part 15, Subpart B, Class B, Digital Device

 1,1 kg

