

# ТЛ, ТМ

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

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Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

# Timers

## Countdown/Countup Timers, Interval Timers, Stopclocks

### Timer, Countdown, with memory

Digital, with large 35mm high display. Measures lapsed time up to 99 minutes 59 seconds. With end-of-period, audible alarm. A memory function allows the set time period to be repeated. With magnetic attachment and 1.5V battery.

- TL645-33** 35mm display
- BL610-08** Spare battery 1.5V

### Multifunction Timer, Countup

Digital, with large 12mm high, inclined LCD readout for easy viewing. High accuracy countup timer from 0.01 seconds to 9 hours 59 minutes 59.99 seconds. Split and lap timing facilities selectable. Also available with 4mm sockets for external triggering. Supplied with 1.5V battery.

- TL648-15** Multifunction timer
- TL648-22** Multifunction timer/sockets
- BL610-15** Spare battery 1.5V

### Dual timer/clock, Countdown/Countup

Digital, with 12mm high LCD readout. 2 separate timing units with countup or countdown displays from 1 second to 23 hours 59 minutes 59 seconds and can be used as a 12/24 hour clock with setting keys and audible alarm. Supplied with back clip, stand and 1.4V battery.

- TL660-80** Dual timer/clock
- BL610-04** Spare battery 1.4V

### Dual timer, Countdown/Countup

Digital, 2 separate timing units with countup or countdown displays from 1 second to 99 hours 59 minutes and 59 seconds. LED visual and audible alarm (with 3 volume settings selectable). The case incorporates a combined bench stand/hanging clip with magnetic attachment. Requires 2 x 1.5V batteries for operation.

- TL664-50** Dual timer
- BL610-08** Spare battery 1.5V (2 required)

### Triple Timer, Countdown/Countup

Digital, 3 separate timing units with countup or countdown displays from 1 second to 20 hours. Each unit has a different audible alarm at the end of its counting period. The case incorporates a combined bench stand/hanging clip with magnetic attachment. Supplied with 1.4V battery.

- TL665-20** Triple timer
- BL610-04** Spare battery 1.4V

### Timer, 1-hour, mechanical

Freestanding, benchtop model, with spring-driven clock movement activated by setting the easy to read dial. With audible bell alarm at the end of the timed period. Range 1 to 60 minutes.

- TL675-24** 1-hour, 50mm dial

### Timer, 1-hour, mechanical

Spring-driven clock movement activated by setting the easy to read dial knob. The remaining time is clearly visible as a shaded area. With audible alarm and magnetic attachment.

- TL675-60** 1-hour, 60mm dial

### Stopclock, 1-hour, high accuracy

Spring-driven, Kienzle clock movement. With 95mm dial, scaled 0 to 60 minutes in 1 minute intervals. With start, stop and reset buttons and housed in a robust case. Overall 110 x 60 x 110mm W x D x H.

- TL677-40** 1-hour, 95mm dial

### Timer/Stopclock, Countdown/Countup

Digital, compact timer with large 27mm high main digit and 20mm high secondary digit display. Counts up or down from 99 minutes and 59 seconds with audible alarm at the end of the timed period. Supplied with pocket clip/bench stand and magnetic attachment, instructions and battery.

- TL680-09** Timer/stopclock
- BL610-08** Spare battery 1.5V

### Timer/Stopclock, Countdown/Countup

Digital, with large 30mm high main digit and 25mm high secondary digit display. Counts up or down from 23 hours, 59 minutes and 59 seconds to 1 second, alternatively counts up from 0.01 seconds to 59 minutes 59 seconds or 9999.9 seconds or 0.01 minute to 19999.99 minutes. A loud audible alarm is emitted at the end of the timed period. Lap facility available on countup feature. 12/24 hour clock, day and month displays and a daily alarm are also selectable. Supplied with 1.5V C battery.

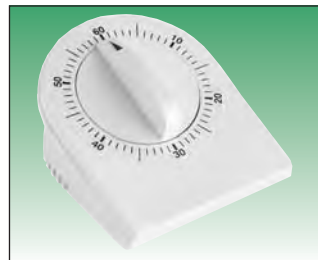
- TL680-15** Timer/stopclock
- BL610-20** Spare battery 1.5V



**TL645-33**



**TL660-80**



**TL675-24**



**TL680-09**



**TL648-22 in use**



**TL664-50**



**TL675-60 (inset: in use)**



**TL680-15**



**TL665-20**



**TL677-40**

# Timers

## Stopwatches

Cat. No.	TM400-05	TM480-12	TM480-23	TM485-30
Type	Mechanical	Electronic	Electronic	Electronic
Movement	Standard lever	—	—	—
Jewels	13	—	—	—
Hours	—	23	23	23
Minutes	30	59	59	59
Seconds	0.2	59	59	59.99
Side flyback	✓	—	—	—
Split	—	✓	✓	✓
Day/Date/Time	—	✓	✓	✓

### Mechanical Stopwatch

As described. 13 jewel standard lever mechanism. Stainless steel case with centre crown stop/start and side flyback.

**TM400-05** Mechanical stopwatch, 30 minutes x 0.2 seconds

### Electronic Stopwatches

As described. Quartz controlled movement, 24 hour models with liquid crystal display in robust plastic cases. Split time facility count to 0.01 seconds for first 30 (TM480-21) or 40 (TM480-12, -23) minutes and then in 1 second increments to 24 hours. Include time/calendar display mode and alarm. With battery. TM480-12, -21 and -23 are additionally supplied in a water resistant case.

**TM480-12** With 8mm high display

**TM480-23** With 12mm high display

**BL590-25** Battery, 3V, spare for TM480-series

### Water Resistant, Electronic Stopwatch

As described. Battery operated, water resistant stopwatch. 8mm high liquid crystal display with selectable backlighting. Stopwatch incorporates 24 hour timer to 1/100th of a second with lap facility holding up to 100 laps, clock, alarm and calendar display modes. With battery.

**TM485-30** Water resistant, electronic stopwatch

**BL590-25** Battery, 3V, spare for TM485-30

## Time Switch and Wall Clocks

### Time Switch

With integral 13A 3-pin plug and socket fitting for connecting directly to the mains supply and to equipment being controlled. Large dial with simple time setting by switch pins. Overall 70 x 70 x 33mm deep.

### Minimum setting interval

15 minutes

### Minimum time period

30 minutes

For 230V 50Hz single phase supplies. Maximum rating 13A.

**TM850-20** 24 hour

### Wall Clock, analogue

Quartz mechanism, battery operated. White moulded plastic case with 254mm diameter, 12 hour dial with sweep second hand. Overall diameter 270mm. With battery and integral wall mounting bracket.

**TM900-12** Wall clock, analogue

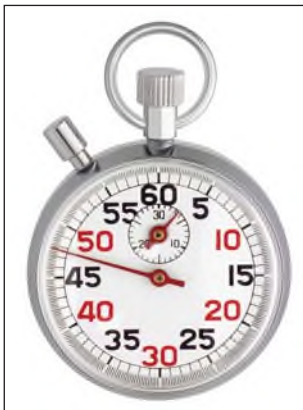
**BL610-15** Spare battery 1.5V

### Wall Clock, analogue, with hygrometer and thermometer

Quartz mechanism, battery operated. Moulded plastic case finished in silver with 280mm diameter, 12 hour dial with sweep second hand and subsidiary dial hygrometer (0 to 100%RH) and thermometer (-24 to +54°C). With battery and integral wall mounting bracket.

**TM900-30** Wall clock/hygrometer/thermometer

**BL610-15** Spare battery 1.5V



TM400-05



TM485-30



TM850-20



TM900-12



TM480-12



TM480-23



TM900-30

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