

USER- MANUAL Timer



ISO 9001 : 2015
NL/PRO 238239125

Van 't Hoffstraat 12
2665 JL Bleiswijk, The Netherlands
T. 31 (0) 10 522 43 73
timer-man.docx Rev. 3.0 UK 2-26

Tamson Instruments bv

E-mail: sales@tamson.com
Website: www.tamson.com

VAT: NL 80 66 34 984 B01
Bank account no.:

NL28 INGB 0007 350 370

NL95 RABO 0160100046

Chamber of commerce 27 16 95 41

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1 SAFETY AND WARNINGS

Make sure before installing or operating the equipment to read and understand all instructions and safety precautions listed in this manual. If there are any questions concerning the operation of the equipment or about the information given in this manual please contact your local dealer or our sales department first.

Performance of installation, operation, or maintenance other than those described in this manual may result in a hazardous situation and may void the manufacturer's warranty.

Never operate equipment that is not correctly installed. Unqualified personnel must not operate the equipment. Avoid damage to the equipment, or its accessories, caused by incorrect operation.

Important:

- When performing service, maintenance or moving the apparatus, always disconnect the apparatus at the main's socket,
- Proper skilled and trained personnel are only allowed to operate this equipment,
- Take notice of warning labels and never remove them,
- Refer service and repairs to qualified technician,
- If a problem persists, call your supplier or Tamson Instruments bv.

2 WARRANTY

Tamson Instruments bv. warrants that all their manufactured equipment is free from defects in material and workmanship, preventing the machine from normal operation. Tamson Instruments bv does not warranty that the equipment is fit for any other use than stated in this manual. The manufacturer can only be held responsible for the security, reliability and performance of the equipment, when operated in accordance with the operating instructions, extensions, adjustments, changes and/or if repair is performed by Tamson Instruments bv. or authorized persons only. This warranty is limited to one year from the date of invoicing. All equipment and materials are subject to standard production tolerances and variations.



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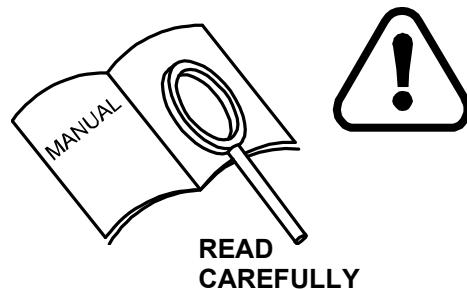
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3 PRECAUTIONS AND HAZARDS

Before attempting to operate the bath read all parts of this manual carefully to insure smooth operation and avoid damage to the equipment or its accessories.

If a malfunction occurs contact your supplier or Tamson Instruments bv. Never operate the equipment if not correctly installed. The equipment must be operated only by qualified personnel. Avoid damage to the equipment or its accessories through incorrect operation.



4 INSTALLATION

4.1 Important

Tamson Instruments bv is not responsible for any consequential damage or harm caused by using this bath. Repairs on the electrical system of the bath may only be carried out by well trained and authorized persons.

5 Readout

The timer offers two readouts:

1. Minutes : seconds : hundreds of a second
2. Total seconds :hundreds of a second

A jumper inside the timer can be set to switch between both readings



Eight individual stopwatches (A to H) each can be operated by it's individual switch:

- Press switch to start,
- Press switch to stop,
- Press switch to continue,



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- Keep switch pressed for 2 seconds to reset stopwatch.

When power off, pressing one of the switches (A..H) will power-up the stopwatch.

Press both keys A+E to reset all stopwatches.

Press both keys D+H to switch the unit off.

When no timers are running the stopwatch automatically turns itself off, keeping current timing values in memory. Range is 99,59,59 (minutes, seconds, hundreds of seconds).

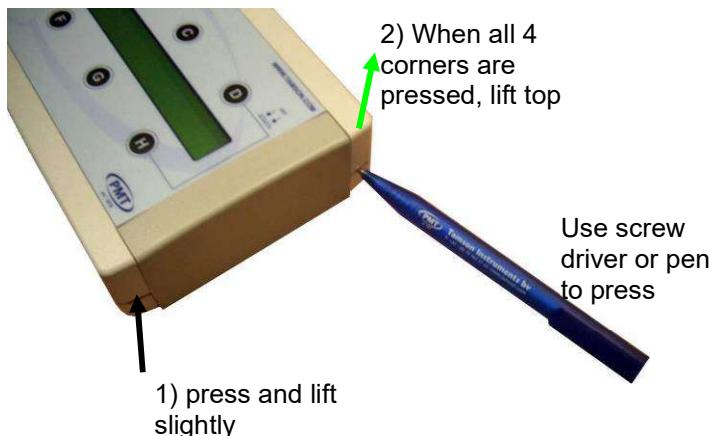
Replace battery when contrast dimms.

Battery life is minimum 6 months in normal mode of operation.

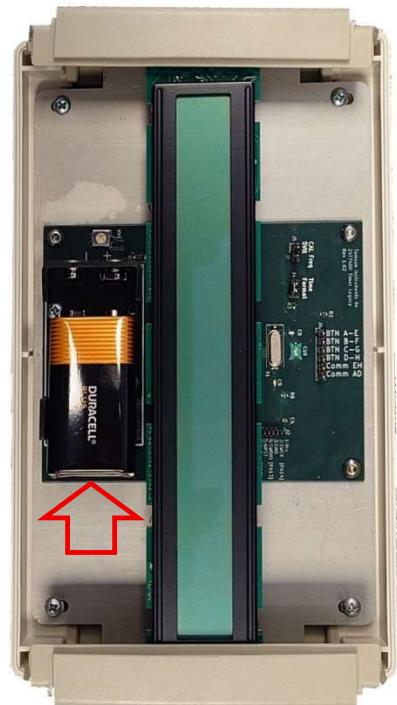
6 Changing battery

Open the box at all 4 corners and lift top gently

The 9V battery can easily be taken out



replace the battery in the housing.



7 Accuracy

The timer is adjusted and calibrated against a Global Positioning System Disciplined Oscillator.

It uses the 1PPS signal of GPS offering a reference of 10.000.000 MHz $\pm 0.01\text{Hz}$

The overall system accuracy is adjusted and found to be within 10.000.000 $\pm 10\text{ Hz}$ or $\pm 10\text{ppm}$.



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8 EC DECLARATION OF CONFORMITY Tamson Timer

Manufacturer: **Tamson Instruments BV**
van 't Hoffstraat 12
2665 JL Bleiswijk
The Netherlands

Product: SKU 10T6090 (model STM32)

We declare that the product mentioned above conforms to the essential's exigency of the directive 2006/42/EC relative to machinery, directives 2004/108/EC relatives to electromagnetic compatibility and directive 2006/95/EC relative to low voltage.

The products are in conformity with the following specifications:

EMC (2004/108/EG)

Conducted emission	- EN55016-2-1 + EN61326+A1
Radiated emission	- EN55016-2-3 + EN61326+A1+A2+A3
ESD	- EN61326 +A1+A2+A3 and EN61000-4-2 +A1+A2
Radiated immunity	- EN61000-4-3 +A1

Low voltage (2006/95/EC):

Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1,
General requirements,
EN 61010-1-2010
Safety requirements for electrical equipment for measurement, control, and laboratory use Part 2,

Machinery directive (2006/42/EC)
2006-42-ec-2nd-2010

January2026, Tamson Instruments bv, The Netherlands

Ing. R.C. van Hall
Director

9 DISCLAIMER

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user.

We expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product.

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