# Technical Data Sheet

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| **Document Reference** | 201 |
| **Date of Issue** | 24th Oct 2024 |
| **Revision Number** | 002 |
| **Date of Last Revision** | 9th April 2025 |

## 201
## Stopwatch


**Technical Data Sheet Applicable To:**

| | |
|---|---|
| **201-A65-P01-A55** | Stopwatch Detectable Blue with Neck Chain |

**Industry Usage:**
A fully detectable stopwatch, complete with neck chain
**Features and Benefits:**

- Metal Detectable & X-ray visible
- Performs well in most food related atmospheric conditions
- Battery Type: LR1130/AG10X1

**Material and Compliance Information:**

**Regulations and Standards**

This is to confirm that the following products, equipment or materials are suitable for Food Contact as supplied from Detectamet Ltd meeting the requirements of the Acts, regulations and orders applicable in America, Europe and the United Kingdom relating to goods supplied including, but not necessarily limited to, the following:

The base materials Polypropylene with x-ray detectable & or metal detectable additive used for the manufacturing of Detectamet Products in conjunction with the above materials may be safely used to produce articles intended for use in processing, handling and packaging food in accordance with the above stated regulations and CFR177.1500 (Nylon Resins). The ingredients used to manufacture the products listed below are all recommended for use in direct food contact applications to the

**listed relevant directives:**

- AP89(1) regarding purity compliance.
- European Directive 2007/19/EC amending 2002/72/EC & EN1935:2004 Regulation 10/2011.
- Regulation(EC) No. 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- The product is produced in accordance with EU Commission Regulation 2023/2006 — Good Manufacturing Practice for Materials & Articles Intended to Contact with Food, and all subsequent amendments (and their transposition into National Law).

**FDA**

- American FDA CFR 21 177.1520 (olefin polymers).
- American FDA Regulation 176.170

**EU COMMISSION**

- European Food 2202/72 EC and EN1935:2004 —Materials and Articles Intended to Come into
  Contact with Food, and all subsequent amendments (and their transposition into National Law). Regulation 10/2011 The handle can be marked with the "glass & fork" symbol on the packaging or by labelling.
- Overall migration test is made on the same or similar product. The product meets the requirements regarding overall migration to 50% ethanol, 3% acetic acid and olive oil. Food Contact No Limitation

Item number & Item name: Plastic Parts of Calculator and Stopwatch Housing only / See instructions as separate document

## Sports stopwatch accuracy test report

Test Methods:

Use a standard time source to test stopwatch timing accuracy. Each stopwatch is tested 3 times and the average is taken as the final result.

| NO. | Test results (error seconds) | Qualified | NO. | Test results (error seconds) | Qualified | NO. | Test results (error seconds) | Qualified |
|---|---|---|---|---|---|---|---|---|
| 1 | ±0.02 | YES | 34 | ±0.04 | YES | 67 | ±0.02 | YES |
| 2 | ±0.03 | YES | 35 | ±0.02 | YES | 68 | ±0.02 | YES |
| 3 | ±0.04 | YES | 36 | ±0.04 | YES | 69 | ±0.03 | YES |
| 4 | ±0.02 | YES | 37 | ±0.02 | YES | 70 | ±0.04 | YES |
| 5 | ±0.03 | YES | 38 | ±0.02 | YES | 71 | ±0.02 | YES |
| 6 | ±0.04 | YES | 39 | ±0.03 | YES | 72 | ±0.03 | YES |
| 7 | ±0.03 | YES | 40 | ±0.04 | YES | 73 | ±0.04 | YES |
| 8 | ±0.03 | YES | 41 | ±0.02 | YES | 74 | ±0.03 | YES |
| 9 | ±0.03 | YES | 42 | ±0.03 | YES | 75 | ±0.04 | YES |
| 10 | ±0.02 | YES | 43 | ±0.02 | YES | 76 | ±0.02 | YES |
| 11 | ±0.03 | YES | 44 | ±0.03 | YES | 77 | ±0.04 | YES |
| 12 | ±0.04 | YES | 45 | ±0.02 | YES | 78 | ±0.05 | YES |
| 13 | ±0.03 | YES | 46 | ±0.02 | YES | 79 | ±0.03 | YES |
| 14 | ±0.04 | YES | 47 | ±0.03 | YES | 80 | ±0.04 | YES |
| 15 | ±0.05 | YES | 48 | ±0.04 | YES | 81 | ±0.05 | YES |
| 16 | ±0.03 | YES | 49 | ±0.04 | YES | 82 | ±0.04 | YES |
| 17 | ±0.02 | YES | 50 | ±0.03 | YES | 83 | ±0.02 | YES |
| 18 | ±0.03 | YES | 51 | ±0.02 | YES | 84 | ±0.04 | YES |
| 19 | ±0.02 | YES | 52 | ±0.04 | YES | 85 | ±0.05 | YES |
| 20 | ±0.03 | YES | 53 | ±0.03 | YES | 86 | ±0.04 | YES |
| 21 | ±0.03 | YES | 54 | ±0.02 | YES | 87 | ±0.02 | YES |
| 22 | ±0.02 | YES | 55 | ±0.02 | YES | 88 | ±0.03 | YES |
| 23 | ±0.03 | YES | 56 | ±0.03 | YES | 89 | ±0.04 | YES |
| 24 | ±0.04 | YES | 57 | ±0.04 | YES | 90 | ±0.02 | YES |
| 25 | ±0.02 | YES | 58 | ±0.03 | YES | 91 | ±0.03 | YES |
| 26 | ±0.05 | YES | 59 | ±0.02 | YES | 92 | ±0.02 | YES |
| 27 | ±0.02 | YES | 60 | ±0.05 | YES | 93 | ±0.03 | YES |
| 28 | ±0.03 | YES | 61 | ±0.03 | YES | 94 | ±0.03 | YES |
| 29 | ±0.04 | YES | 62 | ±0.04 | YES | 95 | ±0.04 | YES |
| 30 | ±0.02 | YES | 63 | ±0.03 | YES | 96 | ±0.03 | YES |
| 31 | ±0.02 | YES | 64 | ±0.03 | YES | 97 | ±0.02 | YES |
| 32 | ±0.03 | YES | 65 | ±0.02 | YES | 98 | ±0.05 | YES |
| 33 | ±0.03 | YES | 66 | ±0.02 | YES | 99 | ±0.03 | YES |
| | | | | | | 100 | ±0.05 | YES |

**Test result analysis:**

Among the 100 products, the timing accuracy of all products is within ±0.05 seconds, which meets the quality standard requirements.

**In conclusion:**

According to the test results, the product's timing accuracy meets the quality standard requirements.

- Calibration is performed at least once a year to ensure timekeeping accuracy.
- Avoid using and storing the stopwatch in environments with extreme temperatures or humidity.
- Avoid exposing the stopwatch to direct sunlight or strong vibrations.

- Use a soft cloth and warm water to clean your stopwatch and avoid using harmful chemical cleaners.
- Battery life is approximately 1-2 years and may need to be replaced sooner
- Battery life is approximately 1-2 years and may need to be replaced sooner depending on frequency of use.



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