

CERTIFICATE OF CERTIFICATION

This is a result of a physical verification of the accuracy of the timer identified below.

CUSTOMER	Customer name
ORDER NUMBER	25687
TIMER SERIAL NUMBER	25687-3
CERTIFICATE NUMBER	112624-3
UNIT UNDER TEST DESCRIPTION	Digital timer
MODEL	T5
TEST DATE	Tuesday, November 26, 2024

1. TEST METHODOLOGY

The method of testing used is known as the “direct comparison method” whereby the UUT is compared correctly to a NIST certified traceable stopwatch with resolution in 1/100 of a second. The beginning and end times of the testing of the two timers is compared using video recording equipment to eliminate operator error. This method is in compliance with Gizmo procedure 1841.

Gizmo documents the traceability of measurements to the SI units through the National Institute of Standards and Technology (NIST). Documentation supporting traceability information is available for review upon request.

Uncertainties are reported with a standard deviation of 2, providing a level of confidence of 95%.

Certification temperature limits are 7-77°F. Humidity limits are 20-80%R.H.

An error allowed of 0.01% corresponds to 8.64 sec. per day. (0.01% of 86400 seconds per 24 hour day) The uncertainty of any particular reading is ± 20 ms.

The certified timer of comparison is known as the stopwatch model “Traceable” by Control Company. SN 230635325 Re-certification due Sept 20, 2025.

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2. TEST RESULTS

TEST TECHNICIAN:

ENVIRONMENT: Temperature at time of test °F.

Humidity level at time of test was..... % R.H.

	Gizmo Timer (UUT)	NIST Timer	DIFFERENCE (NIST-GIZMO)
Serial Number	25687-3	23063532	-
START time	0m 6s 0ms	0m 5s 370ms	-630ms
END time	14m 27s 0ms	14m 26s 380ms	-620ms
DIFFERENCE (end-start)	14m 21s 0ms	14m 21s 10ms	0s 10ms
TEST DURATION in ms	-	1722010	010
Error % (Absolute)	-	-	0.000581
Error Limit 0.01%	-	-	0.010
Result (pass/fail)	-	-	PASS