

TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....

An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

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CALIBRATION CERTIFICATE NO.:		2024/11/1288		Page 1 of 2			
ISSUE DATE :		9-Nov-2024					
ULR No.:		CC312524000024144F					
1.0 ISSUED TO :		M/s.: Succes Diagnostic Centre 8C, Mohan Lal Street, Shyambazar, (Near R.G. Kar Medical College), Kolkata - 700004.					
1.1 Service Request Form No.:		SRF/2024/11/07/05					
1.2 Service Request Date :		07-11-2024					
1.3 Location :		At Site					
1.4 Description identification of item to be calibrated :							
i	Name :	RPM & Timer Centrifuge		ii	Make :	SESW	
iii	Model / Type No.:	Knob System		iv	S/L No.:	--	
v	I.D.No.:	SDE/CEN/01		vi	Job Code No.:	2024/11/1288	
vii	Range :	6000 RPM & 99 Min		viii	Resolution :	1 Min	
ix	Accuracy :	As per IS:4092-1-1992, NIST: 1960-12		x	End User :	--	
1.5 Full / Partial Calibration :		Full Calibration					
1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit :		Not Specified.					
1.7 Date of receipt of item :		7-Nov-2024		1.8 Date of calibration :		7-Nov-2024	
1.9 Calibration due on :		6-Nov-2025		2.0 Frequency of calibration once in :		12 Months	
2.1 Environmental condition during calibration :		Temperature :	25.4 °C				
		Humidity :	54 % RH				
2.2 Basis of calibration :		SOP/05/02, SOP/9/16					
2.3 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.							
Name of Instrument		Sl. No. / ID no.		Certificate No.	Lab Certificate No.	Calibrated On	Due On
Digital Tachometer		(Sl. No.- 197-0062V)		TSC/23-24/20427-4	CC-2231	14-03-2024	13-03-2025
Digital Time Totaliser		(TMSCC/TT/01) (Sl. No.- 19HT0559)		TC/23-24/1387-22	CC-2230	09-11-2023	08-11-2024
CALIBRATION RESULTS							
Sl. No.	Denomination set in rpm	Observed Reading at Ref. Std. in rpm (Average of five readings)		Error in RPM	Uncertainty in ± %	Acceptance Criteria	
1	Minimum	1501.2		--	0.66	Pass	
2	Medium	3500.0			0.66	Pass	
3	Maximum	6000.1			0.66	Pass	
Maximum Permissible Error : ± 1 % of rdg							

Calibrated By :

P. Dasmalakar
(Sr. Calibration Engineer)

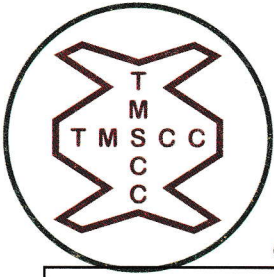
Checked By :

C. Ghosh
(Technical Director)

Approved By :

S. Chowdhury
(Quality Manager)





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2. Time Maximum Range : 99 min L/c: 1 min

Sl. No.	Reading at Standard Totaliser in sec.	Reading at DUC in Min (Avg. of five readings)	Error in sec	Uncertainty in \pm sec	Acceptance Criteria
1	300.31	5	-0.31	0.31	Pass
2	1800.42	30	-0.42	0.31	Pass
3	3601.10	60	-1.10	0.31	Pass
4	5401.22	90	-1.22	0.32	Pass

Maximum Permissible Error : ± 5 sec (upto 1 min) / ± 6 sec (above 1 min)


Measurement Uncertainty at 95% Confidence Level where Coverage Factor $k = 2$

REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.

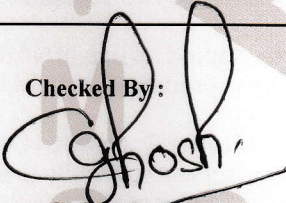
DUC: Device Under Calibration.

Physical Status of the DUC : OK


Calibrated By :


J. Bhattacharjee
(Sr. Calibration Engineer)

Checked By :


C. Ghosh
(Technical Director)

Approved By :


P. K. Modak
(Sr. Calibration Engineer)

END OF CERTIFICATE

