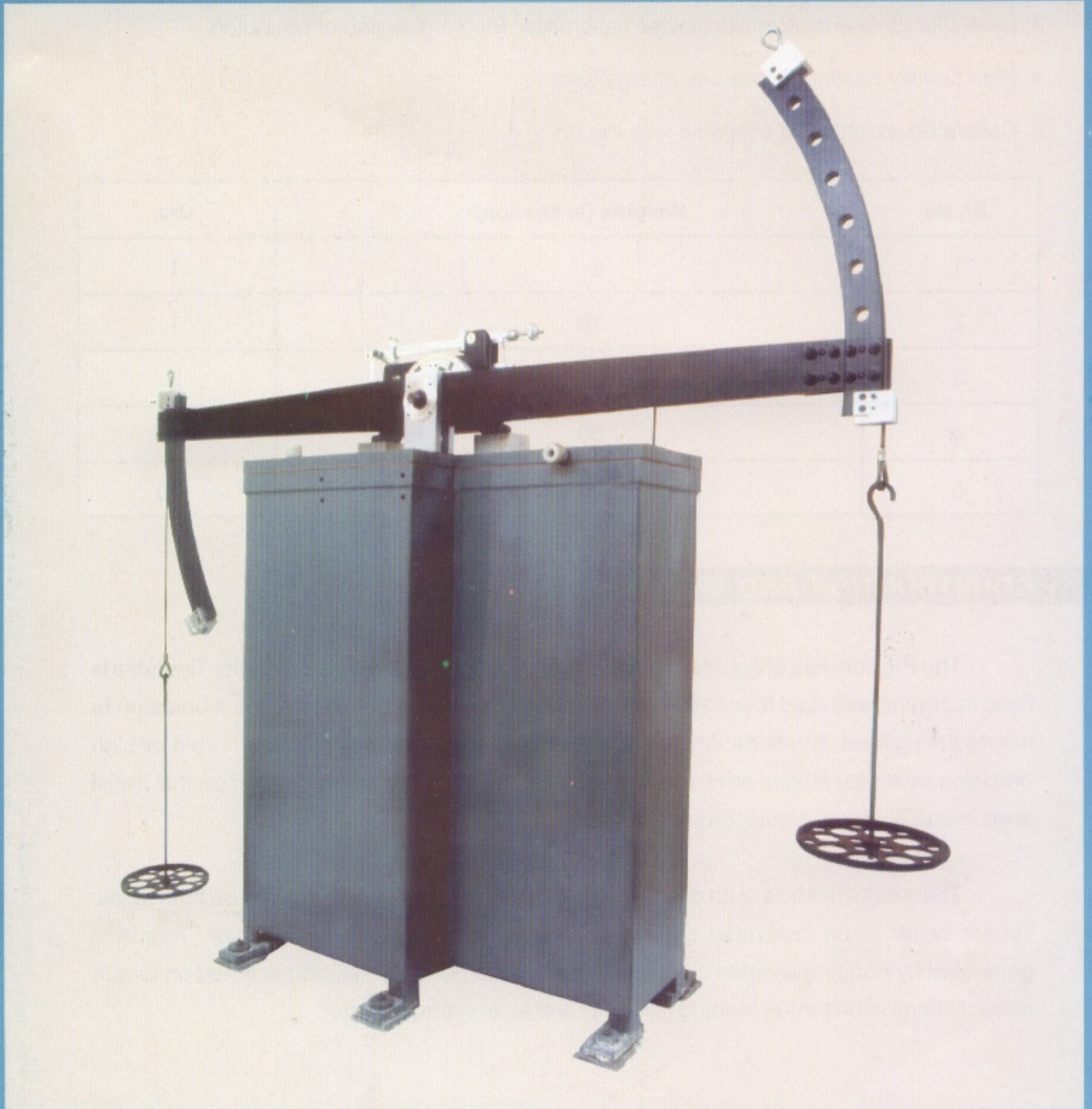




# TORQUE CALIBRATION RIG

Useful for calibration of Torque Testers (Static Type) and Torque Sensors



## INTRODUCTION :-

The calibration of high sensitive and resolution Torque Testers necessitated the demand of precise calibration Rig.

Hence this Torque Calibration Rig is designed to calibrate the Torque Testers and Sensors. The above Torque Calibration Rig meets the stringent calibration requirement of respective instruments.

## SPECIFICATIONS :

1. Overall Dimensions :- 2300 mm (L) x 600 mm (W) x 1700 mm (H) approx.
2. Torque measurement capacity : 0 - 2000 Nm.
3. Useful for clockwise & anticlockwise calibration. Single direction of operation
4. High Quality beatings to reduce energy loss.
5. Calibrated weights are available with the rig.

Sr. No.	Weights (in Newton)	Qty.
1	5	1
2	10	1
3	20	2
4	50	1
5	100	20

## CONSTRUCTION AND WORKING

The Rig consists of equal arm lever assembly mounted on suitable table. The table is fixed to ground with rigid foundation. Anti-vibration mountings are used at the foundation to isolate the rig from vibrations. Arm assembly is pivoted at the center and supported by high precision bearings. Radial arms are fixed at both the ends. Rope is pegged on this radial arms free to guide on circular grooves.

The weight holders with discs are attached at the free end of the rope on both sides. Torque tester to be calibrated can be coupled to rig using suitable adaptor. Torque is generated by hanging weights on one side and corresponding reading is noted on torque tester. Difference in torque reading gives value of error in torque tester.



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