Flywheel Dynamometer for brakes, clutches and gears

This Flywheel Dynamometer is used for multipurpose investigation. Clutches and breaks and all kind of friction material can be explored as well as gears. Standardized investigation programs or loads taken from daily use measurements are applicable because of the computer controlled mode of operation of this flywheel dynamometer. The possibility of the automatic collection of measuring data is naturally implied. Additional applications like a climate chamber, head wind and rain simulation, measurement devices for the analysis of vibration and noise and computer controlled shape measurement devices are available.

Controlled dc motor: 260 kW
Nominal speed of rotation: 2.400 rpm
Adjustment range: 1:100
3-speed stick-shift-transmission: 1 - 1,6 - 3,2
Max. moment of acceleration: 5.900 Nm
Max. moment in the shaft: 130.000 Nm
Mass moment of inertia: 7,3 - 2.500 kgm²
Useable area on engine bedplate: 2.000 mm * 950 mm
Distance shaft axis - engine bedplate: 835 mm
Max. diameter brake disc: 1.000 mm

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