

§1. INTRODUCTION

Subject of the order is a delivery of a brand new inertia brake dynamometer for vehicles' hydraulic drum and disc brakes testing hereafter Brake dynamometer.

Functional and performance tests of the drum and disc brakes should be carried out on the Brake dynamometer as an programmable brake sequences with simultaneous measurement and acquisition of the brake's parameters. The equivalent of the mass of the tested vehicle, which brake is being tested is being reduced to the wheel axis inertia. The tested brake is being mounted on a bracket inside a test chamber.

Test chamber should be ventilated – air cooled with regulated constant temperature.

The test stand should be equipped with hydraulic pump, generating required brake fluid pressure, controlled by the test stand's automation.

The overall test stand configuration is presented on Fig. 1.

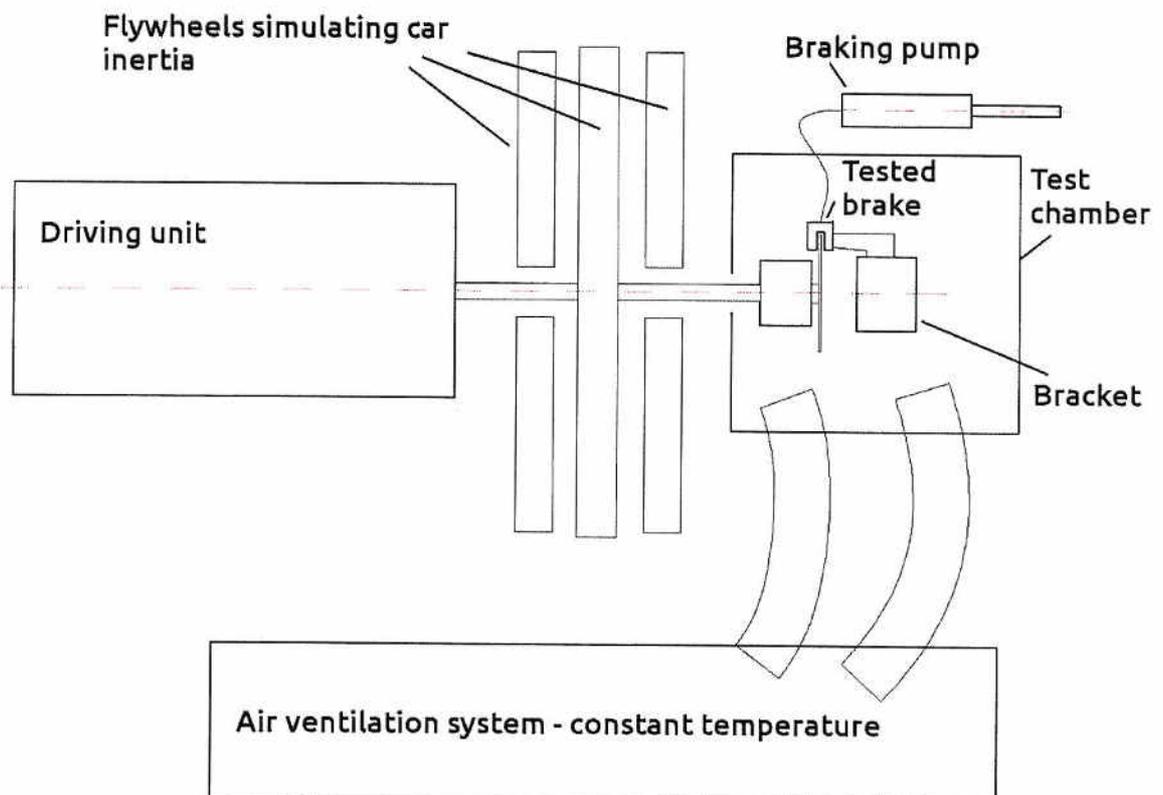


Figure 1 Overall test stand configuration