

Product Name :
Test Stand For Single-Cylinder Engines

Product Code :
TK174



Description :

Test Stand For Single-Cylinder Engines

Technical Specification :

Test Stand for Single-Cylinder Engines

Control and load unit for prepared single-cylinder engines (two-stroke and four-stroke) with a power output of 7,5kw

Asynchronous motor with energy recovery unit as brake generates engine load

Engine started and experiments in passive mode by asynchronous motor

Force transmission from engine to brake via elastic claw coupling

Vibration-insulated base plate for engine mounting

Stabilization tank for intake air

Potentiometer for continuous adjustment of braking torque

Potentiometer for continuous adjustment of braking speed

Measurement and display of torque, air temperature, air intake quantity, negative intake pressure, speed, fuel consumption, fuel temperature

Measured value displays for engine: exhaust gas temperature and cooling water temperatures

Software for data acquisition via USB under Windows 8.1, 10

Technical data:

Asynchronous motor as brake

Power output: 7,5kW at 2900min-1

Measuring ranges

Torque: -50â€¦50nm

Temperature: 0â€¦900Â°c
Speed: 0â€¦5000min-1
Fuel consumption: 50cm3/min
engine intake pressure: -400â€¦0mbar
air consumption: 0â€¦690L/h
400V, 50Hz, 3 phases
400V, 60Hz, 3 phases, 230V, 60Hz, 3 phases
Dimensions and weight
Length x Width x Height: 1450x850x1880mm
Weight: 245kg (weight with engine, which is not included).

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