

CHARPY IMPACT TESTING MACHINE

Charpy impact testing machine for notched bar impact bending tests on the fracture behaviour of materials. Machine suitable for showing temperature and alloying effects. Pendulum energy of 15J and 25J by additional weights. Recording pointer and scale to 1J. Hammer speed 3.8m/s, anvil spacing 40mm, specimen cross-section 10mm square. Machine frame with clear plastic guards for full visibility. Access door and pendulum release interlinked. Supplied with a set of test specimens and an instruction manual.

P90-2850 Charpy Impact Testing Machine

Accessories

P90-2855 Test Specimens in different materials

TORSION MACHINE - 50Nm

Torsion machine, 50Nm capacity. Bench mounted apparatus fully guarded with polycarbonate. Digital readout of torque to 0.1Nm. Available either hand operated or motorised and in standard or long bed length (accepts specimens up to 750mm in length). Suitable for student experiments and demonstrations. Supplied with a full manual.

Size: 750 x 350 x 350mm (approx.)

Weight: 38kg

P90-2150 Torsion Machine

TORSION OF SHAFTS APPARATUS

Appropriate for experiments on shaft torsion and to determine the shear modulus, G , of a number of materials. The apparatus consists of a rigid bed which supports the two end brackets. A specimen is loaded in pure torque by a system fitted with rolling element bearings. Specimens can be changed quickly and are re-usable. The angle of twist is measured by dial indicators and finger pieces. The dial indicators are mounted on an adjustable base. Provided with a set of 10 specimens and full instructions.

Dimensions: 770 x 250 x 265mm

Weight: 16kg

P90-2400 Torsion of Shafts Apparatus

FATIGUE TESTING MACHINE

Bench mounted unit for cantilever loaded zero mean stress level rotating specimens. Push-button load control, self-powered key only re-set 8-digit LCD counter. Fully guarded unit with polycarbonate glazing, no-volt, interlock, emergency stop and machine auto-stop on specimen failure. Supplied with an instruction manual, power cord and necessary tools. Suitable for student experiments and research.

Power supply: 200/260V a.c., 50Hz single phase mains electricity supply.

Size: 730 x 535 x 410mm (approx.)

Weight: 57kg

P90-2100 Fatigue Testing Machine



P90-2850



P90-2150



P90-2400



P90-2100