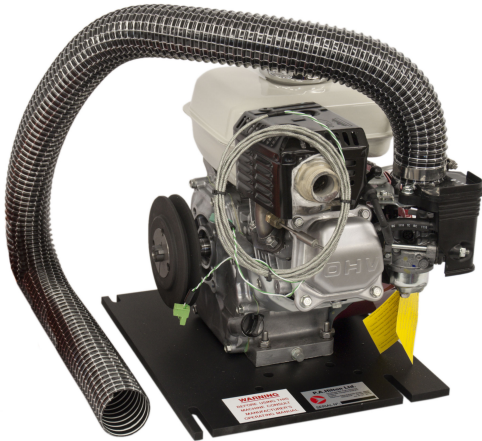




4 STROKE GASOLINE ENGINE, SINGLE CYLINDER C100A



Year 1
study

Features

- Optional Four Stroke Gasoline Engine test set..
- Pre-installed on a standard mounting plate that is designed to allow quick and easy installation on the test bed.
- All fuel and electrical connectors factory fitted to connect to an existing C100.
- Research opportunity to investigate BIO fuels.

Description

Optionally available Four Stroke Gasoline Engine for use with the C100 Internal Combustion Engine Test Stand.

Related Laws/Applications

- Research
- Thermodynamics
- Energy Conservation
- Mechanical Engineering
- Plant and Process Engineering
- Automotive Engineering
- Fluid Mechanics
- BIO Fuels

Learning capabilities

- Measurement of the Torque - Speed and Power - Speed for an Internal Combustion Petrol Engine at a Range of Throttle Settings.
- Measurement of the Specific Fuel Consumption at Constant Speed and Varying Power Output.
- Measurement of Air-Fuel Ratio and Engine Thermal Efficiency at Constant Speed and Range of Throttle Settings.
- Measurement Of Engine Internal Friction At A Range Of Engine Speeds

Technical Specification

- Air-cooled Four Stroke Gasoline Engine
- Engine Maximum output 3.5HP (2.6kW)
- Engine rated speed: 3600rpm
- Engine Displacement: 118cc
- Engine Bore and Stroke: 60 x 42mm
- Engine Cylinders: 1
- Gasoline – Unleaded RON 91 –US-PON 86

Essential Ancillaries

- C100/415/B
- (or C100/220/B)

Recommended Ancillaries

- C100A

What's in the Box?

- 1 x Gasoline Engine
- 1 x Pulley
- 1 x Engine mount and coupling
- 1 x fuel tank
- 1 x spare V belt
- 1 x spare oil
- Packing List
- Test Sheet

You might also like

- C100B

Essential Services

- C100/415/A or C100/220/A
- Gasoline Engine Fuel Type: Unleaded RON 91 –US-PON 86
- SAE 10W-30 Automotive Oil is recommended.

Ordering information

To order this product, please call PA Hilton quoting the following code:
C100A

All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.

Copyright © 2018 P.A. Hilton Limited. All rights reserved. This technical leaflet, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of P. A. Hilton Limited. Hi-Tech Education is a registered trade mark of P. A. Hilton Limited.

COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS