



Engine Testing, Fourth Edition: The Design, Building, Modification and Use of Powertrain Test Facilities

By A. J. Martyr, M A PLINT



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Engine Testing is a unique, well-organized and comprehensive collection of the different aspects of engine and vehicle testing equipment and infrastructure for anyone involved in facility design and management, physical testing and the maintenance, upgrading and trouble shooting of testing equipment. Designed so that its chapters can all stand alone to be read in sequence or out of order as needed, Engine Testing is also an ideal resource for automotive engineers required to perform testing functions whose jobs do not involve engine testing on a regular basis. This recognized standard reference for the subject is now enhanced with new chapters on hybrid testing, OBD (on-board diagnostics) and sensor signals from modern engines.

- One of few books dedicated to engine testing and a true, recognized market-leader on the subject
- Covers all key aspects of this large topic, including test-cell design and setup, data management, and dynamometer selection and use, with new chapters on hybrid testing, OBD (on-board diagnostics) and sensor signals from modern engines
- Brings together otherwise scattered information on the theory and practice of engine testing into one up-to-date reference for automotive engineers who must refer to such knowledge on a daily basis



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Engine Testing, Fourth Edition: The Design, Building, Modification and Use of Powertrain Test Facilities By A. J. Martyr, M A PLINT Bibliography

- Sales Rank: #1279731 in Books
- Published on: 2012-03-19
- Original language: English
- Number of items: 1
- Dimensions: 9.02" h x 1.31" w x 5.98" l, 2.38 pounds
- Binding: Hardcover
- 600 pages

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Editorial Review

Review

'... if the use of paper had to be limited to vital engine books, this one would qualify for printing, hands down!'

Racecar Engineering

'.. it should be a worthwhile investment for any company considering embarking on a testing project or an overhaul of its existing testing facilities.'

Automotive Engineer

'goes deeply into the theory of both the engines themselves and the various test methods, as well as providing a vast amount of practical information on testing different types of power plant.

Marine Propulsion International

'..this is a well presented book which is packed with much useful information of a practical nature, but also dealing with fundamental theory of subjects involved. The book should be essential reading for anyone involved with engine testing, but it will also be a very useful work for any engineering undergraduate due to the coverage of the many individual topics brought together under the general heading of engine testing.'

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About the Author

A.J. Martyr has held senior technical positions with several of the major test plant manufacturers and consultancy firms over the last 40 years. He is now Honorary Visiting Professor of Powertrain Engineering at Bradford University.

M.A.Plint died in November 1998, four days after the publication of the second edition and after a long and distinguished career in engineering and authorship.

Users Review

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