



# Basic Metrology for ISO 9000 Certification

By G. M. S. de Silva

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Traceable calibration of test and measurement equipment is a requirement of the ISO 9000 series of standards. Basic Metrology for ISO 9000 Certification provides essential information for the growing number of firms registered for ISO 9000.

Dr. G.M.S. de Silva who has a lifetime of experience in metrology and quality management fields condenses that knowledge in this valuable and practical workbook. The book provides a basic understanding of the principles of measurement and calibration of measuring instruments falling into the following fields; Length, Angle, Mass, Pressure, Force, Temperature and AC/DC Electrical quantities. Basic concepts and definitions, ISO 9001 requirements and uncertainty determinations are also included.

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## **Editorial Review**

### **Review**

'..provides essential information for the growing number of firms registered for ISO 9000.....Dr de Silva has condensed his wealth of experience into this practical, and essential, workbook.'

Quality World, May 2002

'For people who know little about calibrating temperature sensors, this publication is well worth purchasing.'  
Mike Trim, Isothermal Technology Ltd

### **About the Author**

Dr. G.M.S de Silva has held senior positions in the fields of metrology, standardization and quality management in a number of national and international organizations during the past 35 years. He was a researcher at Imperial College of Science, Technology and Medicine in London and has worked as the Head of the national standards laboratory of Sri Lanka and Papua New Guinea. Dr de Silva was UNIDO international consultant in metrology to sixteen member countries of the African Regional Organisation for Standardization (ARSO), consultant in metrology and standardization to the Bangladesh Standards & Testing Institution and Commonwealth Fund for Technical Co-operation (CFTC) consultant to the Grenada Bureau of Standards. His recent experiences were in Dhahran, Saudi Arabia where he was attached to Research Institute of the King Fahd University of Petroleum and Minerals, as Manager of its Measurement Standards Laboratory (primary level metrology facility). In this capacity he gained considerable experience in assisting industrial organisations to maintain test and measurement equipment in traceable calibration complying with the requirements of ISO 9000 standards. He is a Chartered Engineer (C.Eng) and holds degrees in Physics (B.Sc (Hons), University of Ceylon), Instrument Technology (M.Sc, University of Technology, Loughborough) and Electrical Materials (Ph.D, Imperial College of Science, Technology and Medicine , University of London).

## **Users Review**

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The guide with title Basic Metrology for ISO 9000 Certification has lot of information that you can learn it. You can get a lot of gain after read this book. This book exist new know-how the information that exist in this guide represented the condition of the world currently. That is important to you to be aware of how the improvement of the world. That book will bring you with new era of the the positive effect. You can read the e-book on your own smart phone, so you can read it anywhere you want.

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