

Department of Examinations and Assessment

Louisiana State Licensing Board for Contractors

The logo for the Louisiana State Licensing Board for Contractors (LSLBC) consists of the letters "LSLBC" in white, bold, sans-serif font, centered within a dark blue rounded rectangle. To the right of the rectangle is a vertical dark blue bar.

Instrumentation and Calibration

Classification Description:

Refers to the construction, maintenance or repair of electrical, pneumatic, and hydraulic controls for industrial processes; Includes the installation, maintenance, repair and calibration of instrumentation and related electrical, electronic, pneumatic and hydraulic controls and associated actuators, valves, conduits, thermocouples, thermostats, thermometers, and related computers

Instrumentation and Calibration is a **open book** examination with 50 multiple-choice questions. You will have **2 ½ hours** to complete this examination.

Listed below is only a sample of the many good references available on this subject which may be helpful in studying for this examination. This is not a comprehensive listing. Please note that it is not necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of books might be useful in helping to acquire the basic knowledge needed to perform this type of work.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through your local library by using the services of Inter-Library Loan.

If still in print, these books may also be available through your local bookstore or by contacting the publisher.

All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

Content Outline

National Electrical Code	62%
Practical Wiring/Calculation	20%
Instrumentation Equipment	10%
Calibration Equipment	8%

The use of the 2008 National Electrical Code will be available at the examination site and is the only book that will be accessible during the examination.

Examination candidates may only use the books, calculators, and pencils provided at the testing site. Candidates may not use their own.

National Electrical Code; National Fire Protection Association; NFPA 10-2008.

Instrumentation, Fifth Edition; Kirk, Franklyn and Nicholas R. Rimboi; American Technical Publishers; Homewood, IL; 2010.

Basic Instrumentation, Third Edition; Whalen, Bruce R.; Petroleum Extension Service, The University of Texas at Austin; Austin, TX; 1983.

References Continued

Industrial Instrumentation; Sutko, Al and Faulk, Jerry D.; Delmar Publishers; Albany, NY; 1996.

Direct Current Fundamentals; Loper, Orla; and Edgar Tedsen; Delmar Publishers, Inc.

American Electrician's Handbook; Croft, Terrell; Wilford I. Summers; and Frederic P. Hartwell; McGraw-Hill.