



PROCESS
INDUSTRY
PRACTICES

TECHNICAL REVISION
March 2024

Process Control

PIP PCSPK010-D
**Electronic Entry Data Sheet for Small, General
Purpose Packaged Equipment Instrumentation**

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PURPOSE AND USE OF PROCESS INDUSTRY PRACTICES

This Practice has been prepared by harmonizing technical requirements from existing standards of major industrial operators, contractors, and standards development organizations. While this Practice is intended to incorporate the majority of requirements, individual applications may have requirements which take precedence over this Practice. Determinations concerning fitness for purpose or application of this Practice to specific project or engineering situations should not be made solely on information contained in this Practice. All Practices are intended to be consistent with applicable laws and regulations. Should this Practice conflict with applicable laws or regulations, such laws or regulations must be followed. Consult an appropriate professional before applying or acting on any material contained in or suggested by this Practice.

Use of trade names should not be viewed as an expression of preference. Other brands having the same specifications are equally correct and may be substituted for those named.

This Practice is subject to revision at any time. For more information refer to PIP ADG001, *Specification for Developing Practices*.

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PIP PCSPK010

Small, General Purpose Packaged Equipment Instrumentation Specification

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Data Form

PCSPK010-D – Small, General Purpose
Packaged Equipment Instrumentation
Data Sheet

1. Scope

This Practice provides the minimum requirements for the performance, design, fabrication, testing, and inspection of instrumentation and control systems installed on small, general purpose packaged equipment units.

This Practice is not intended for packaged analyzers systems or for safety-instrumented systems (SIS). For instrumentation associated with larger, more complex equipment packages, see *PIP PCSPK001*.

2. References

Applicable parts of the following Practices and industry codes and standards shall be considered an integral part of this Practice. The edition in effect on the date of contract award shall be used, except as otherwise noted. Short titles are used herein where appropriate.

2.1 Process Industry Practices (PIP)

- PIP PCCCV001 - *Control Valves Selection Criteria*
- PIP PCDPK001-R - *Packaged Equipment Instrumentation Documentation Requirements Sheet*
- PIP PCSPK010-D – *Small General Purpose Packaged Equipment Instrumentation*
- PIP PCSPK001 – *Packaged Equipment Instrumentation Specification*
- PIP PCTPK001 - *Packaged Equipment Instrumentation Inspection and Testing Requirements Data Sheet*
- PIP PCCPR001 – *Pressure Instrument Design Criteria*

2.2 Industry Codes and Standards

- American Petroleum Institute (API)
 - API RP 520 - *Sizing, Selection, and Installation of Pressure-Relieving Devices*
 - API RP 576 - *Inspection of Pressure Relieving Devices*
 - API 593 - *Valve Inspection and Testing*
- American Society of Mechanical Engineers (ASME)
 - ASME Boiler and Pressure Vessel Code
 - Section I - *Rules for Construction of Power Boilers*
 - Section IV - *Rules for Construction of Heating-Boilers*
 - Section VIII - *Rules for Construction of Pressure Vessels*
- Fluid Controls Institute (FCI)
 - FCI/ANSI 70-2 - *Quality Control Standard for Control Valve Seat Leakage*
- National Fire Protection Association (NFPA)
 - NFPA 70 - *National Electrical Code (NEC)*