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CAPABILITY 08 / 27

Instrumentation, Measurement & Process Control

Precise instrumentation for stronger process control.



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OVERVIEW

Instrumentation measures what happens inside a process and control systems act on it. COTI supplies field instruments, analyzers, control-valve accessories, control-system hardware, installation materials and calibration equipment for stronger and safer process control.

CONTENTS

- 8.1** Pressure, temperature, flow and level transmitters, gauges, switches and sensors.
- 8.2** Flowmeters, metering instruments, analyzers and sampling-related equipment.
- 8.3** Control valves, regulators, positioners and instrumentation accessories.
- 8.4** PLC, DCS, SCADA, RTU and HMI-related hardware and industrial control components.
- 8.5** Instrumentation tubing, fittings, manifolds, junction boxes and panels.
- 8.6** Calibration and test instruments; calibration coordination through qualified providers.

8.1 Pressure, temperature, flow and level transmitters, gauges, switches and...

SUPPLY SCOPE

Pressure, temperature, flow and level transmitters, gauges, switches and sensors.

DEFINITION

Transmitters convert a pressure, temperature, flow or level into a signal sent to the control system. Gauges give a local reading; switches trigger an alarm or action at a set value; sensors such as thermocouples and RTDs measure temperature directly.



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8.2 Flowmeters, metering instruments, analyzers and sampling-related equipment.

SUPPLY SCOPE

Flowmeters, metering instruments, analyzers and sampling-related equipment.

DEFINITION

Flowmeters measure the quantity of fluid passing in a line (Coriolis, ultrasonic, turbine, vortex, magnetic, orifice). Analyzers measure composition or quality online, and sampling systems take representative samples for the laboratory.

8.3 Control valves, regulators, positioners and instrumentation accessories.

SUPPLY SCOPE

Control valves, regulators, positioners and instrumentation accessories.

DEFINITION

Control valves, regulators and positioners are the final control elements that act on the process. Instrumentation accessories, such as air sets, boosters and mounting kits, make them work reliably.

8.4 PLC, DCS, SCADA, RTU and HMI-related hardware and industrial control...

SUPPLY SCOPE

PLC, DCS, SCADA, RTU and HMI-related hardware and industrial control components.

DEFINITION

PLC (Programmable Logic Controller) and DCS (Distributed Control System) run the process automatically; SCADA supervises remote sites; RTUs collect field data; HMIs are the screens operators use. COTI sources their hardware and components.



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8.5 Instrumentation tubing, fittings, manifolds, junction boxes and panels.

SUPPLY SCOPE

Instrumentation tubing, fittings, manifolds, junction boxes and panels.

DEFINITION

Instrument tubing and compression fittings connect instruments to the process; manifolds isolate and equalise them; junction boxes and panels protect wiring and electronics in the field.

8.6 Calibration and test instruments; calibration coordination through...

SUPPLY SCOPE

Calibration and test instruments; calibration coordination through qualified providers.

DEFINITION

Calibration compares an instrument with a reference standard and adjusts it so that its reading is accurate. COTI supplies calibrators and test instruments and coordinates calibration with qualified laboratories.

Specialized services are provided and/or coordinated with qualified technical partners according to project requirements.

Contact COTI

Send us your RFQ, part numbers, nameplate photos or technical specifications. We will review your requirement and reply with a structured proposal.

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