



INFRASTRUCTURE
 MINING & METALS
 NUCLEAR, SECURITY & ENVIRONMENTAL
 OIL, GAS & CHEMICALS



Instrument Fitter

Job Objectives

To prepare and permanently install precise instruments that measure, indicate, transmit, record and control.

Qualifications

- Age 18 years+.
- HS diploma or equivalent.
- Finger dexterity.
- Hand-eye coordination.

Essential Job Functions

- Assemble, mount, and install control panels, instruments, and sensing devices.
- Plan layout and installation according to manufacturer instructions and specifications.
- Assemble and install instrument stands, brackets, trays, clamps, and hangers.
- Measure, cut, thread, and install small-bore piping for pneumatic and hydraulic systems.
- Perform pressure testing of installed tubing and small-bore pipe.
- Read drawings, schematics, isometrics, etc.
- Perform regular maintenance and cleaning of tools, equipment and instrumentation (both installed and pre-installed).
- Prepare and record installation documents.

Critical Demands of an Instrument Fitter

Demand	Description	Frequency
Lifting	1 in. pipe joint up to 40 lbs., ground to 36 in., to 60 in. Instruments up to 40 lbs., ground to 54 in.	Frequently
Carrying	Tool pouch weighing 40 lbs. for up to 35 ft.	Frequently
Climbing	Vertical ladder, 20-25 in. increments, up to 30 ft.	Occasionally
Crouching and reaching	For up to 2 minutes on even, uneven, narrow and/or elevated surfaces.	Frequently
Kneeling and reaching	For up to 2 minutes on even surfaces.	Frequently
Squatting	For up to 2 minutes on even and uneven surfaces.	Frequently
Balancing	On rough ground and narrow surfaces.	Frequently
Overhead work	From various positions - squatting, standing, crouching.	Continuously
Static forward bending	From standing, crouching, squatting or kneeling while using tools up to 10 minutes at a time.	Frequently
Trunk rotation	From standing or kneeling.	Frequently
Walking	Throughout the day on even and uneven surfaces up to 500 ft.	Frequently
Gripping	Up to 60 lb.	Continuously
Pulling	Insulated tubing, force dependent, approximately 50 lbs.	Frequently

A Targeted Growth Occupation

These roles are among the most in-demand professions along the Gulf Coast. They are expected to add the most jobs in the long- and short-term, and to pay above median wages.

Estimated Earnings

Construction Wages

- Wages are competitive with area projects.
- Hourly wages may be adjusted throughout the life of the project.
- Overtime hours are typical with each project.

