

Instrumentation Worksheet

You are embarking upon training to become an Instrument Technician, this will involve aspects from most trades.

As an Instrument Technician (Tiffy) you will carry out the following;

- Electrical fault finding
- Calibration of Instruments
- Pressure testing
- Overhaul of Control Valves
- Fitting of Copper and Stainless Steel pipe
- Fitting and testing control loops

The most important aspect of all of this work will be Health & Safety, you must take care not to injure yourself or others, you will of course be trained in H&S before doing any activities.

Questions for you to research:

1. What does HASAWA stand for?
2. When at college, who's safety are you responsible for?
3. What does PSI stand for?
4. Who invented the Computer?
5. What is the speed limit for cars on UK motorways?
6. Eider is a type of what?.

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7. Explain what is meant by a zero and span error?
8. What is the function of a transmitter?
9. What does the term control mean and why is it used?
10. Explain what is meant by an open loop and closed loop control system.