

Competency Training Record for use of **piston cylinder (<12 kbar) pressure cell** .

Location: **portable, normally located in Physics Room P130.**

PIs: **Martin Lees.**

Synopsis of training

The training will establish that the user:

- has read and understood the details of the risk
- has undertaken all online training modules required by University
- has read all instruction manuals relevant to using equipment
- understands what actions to take in case of emergency
- understands the out-of-hours working policy

In addition, the following key issues/hazards will be discussed:

- Use of goggles
- Dangers of sudden loss of pressure and common failure modes
- Handling pressure cells, cooling pressure cells
- Pressure cell design and assembly
- Safe pressure limits for cells
- Reusing pressure cells
- Safe storage of pressurized cells

Competency in the following tasks is to be established:

- Handling pressure cells
- Assembling and disassembling cells
- Loading and unloading using hydraulic press

Note: for previously trained users a training refresh can be completed through the user demonstrating competence and understanding of the standard operating procedures, rather than a formal training session.

List of approved superusers who can train other users (where appropriate)

Name	Training Date	Refresh Date	Authorised by	Signature

List of approved users

Name	Training Date	Refresh Date	Authorised by	Signature