

93 GDS Helpsheet



*World Leaders in Computer Controlled Testing
Systems for Geotechnical Engineers and Geologists*

Hardware

Triaxial Testing Systems

Refurbishment and Upgrades

1. Introduction

Many GDS systems were sold in the mid eighties and consisted of; a hydraulic triaxial cell for testing 38 mm diameter test specimen, three GDS digital pressure volume controllers and computer software for either an HP85/86 or HP8000 computer.

Since that time many changes have occurred. Our software has been enhanced and will now run on standard IBM PCs or 100% compatibles. We have also added the capability for 16 bit 8 channel A/D conversion along with the use of additional transducers. The additional transducers are:-

- Internal submersible load cell
- Base pedestal pore pressure transducer
- Mid-plane pore pressure transducer
- Axial and radial local strain transducers
- External displacement transducers

The triaxial cell and the pressure controllers still perform the same function. In some universities the equipment was purchased for a specific project and has subsequently been stored. By refurbishing the system and adding the latest transducers you can have a high quality computer controlled stress path triaxial testing system.

I am sure that you will see the benefits of taking this approach. If you have any questions please let me know.