

127 Helpsheet



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

Hardware

100kN/10Hz Hydraulic System

Hardware Layout

1 Introduction

This helpsheet illustrates the suggested hardware layout for the GDS 10Hz hydraulic System showing suggested dimensions for tables for the system. The suggested layout takes into account the length of the communication leads and the length of the earth braids.

All dimensions in mm. Dimensions in this helpsheet should be used as a guide only.

The 10Hz hydraulic system comprises of an actuator with triaxial cell (axial and radial), one Pressure/Volume Controller, a DTI data acquisition system, a computer cabinet and a hydraulic power pack. As the hydraulic cables between the hydraulic power pack and the actuator are almost 10m long, it may be possible to situate the power pack in a different room to the actuator for reasons of noise.

