

120 Helpsheet



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

Hardware

Power Supply

GDS Hardware Power requirements

Please note, these figures are to be used as a general guide only. To find the total power consumption of your system please add together the values for the component parts. Values given are maximum consumptions, typically under loading.

Pressure Controllers	
Product	Power (Watts)
ELDPC (Enterprise Level Controller)	50
STDDPC 3Mpa (Original Standard Controller)	130
STDDPCv2 (2010 to date)	50
ADVDPCC 2 - 4Mpa (Advanced Controller)	130
ADVDPCC 16 - 64Mpa	150
ADVDPCC 128Mpa – 150MPa	1000
Sigma 3 dynamic controller	
Pneumatic Controller	50

Data Acquisition	
Serial Pad (8-Ch. Data Logger)	50
ELDCS (Dynamic Control System 4ch)	50
DCS (Dynamic Control System 8ch)	100
ADVDCS (Dynamic Control System 16ch)	100
MUX (Serial Multiplexer)	50
Bender Element Master Signal Conditioning Unit	50
LVDT Signal Conditioning Box	50
Resonant Column – control box & power amplifier	

Loadframes/Similar	
Force Actuator	150
Triscan 50kN Loadframe	150
Triscan 100kN Loadframe	150
ELDYN 5kN (Enterprise Level Dynamic Loadframe)	2400
ELDYN 10kN	3600
Static MINIDYN 40kN	150
MINIDYN 2hz 10kN	2400
MINIDYN 2hz 16-20kN	3600
MINIDYN 2hz 40kN	3-phase 9000

MINIDyn 2hz 60kN	3-phase 18000
MINIDyn 5hz 10kN	3600
MINIDyn 5hz 16-20kN	3-phase 9000
MINIDyn 5hz 40kN	3-phase 18000
MAXIDyn 10hz 10kN (inbuilt dynamic cell pressure)	3-Phase 30,000
HCA - various	
VIS 250kN	1250
VIS 400kN	
Hydraulic Loadframe 100kN	3-phase
Static Shearbox (all variants)	300
EMDCSS 5kN (Electro Mechanical Dynamic Simple Shear)	4800
EMDCSS 10kN	7200

Other	
Typical PC + Monitor.	550

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