GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

Code: 27-1500/02

Product Group: Data Logging with the GDU, Geotechnical Data Acquisition Unit (GDU)

The GDU is a stand-alone, multi-tasking, multi-channel data logger, that is reliable and powerful, enabling it to co-ordinate test data from the range of ELE transducers required for various test methods.

The ELE Geotechnical Software package (DS7.1 and following), in conjunction with the GDU and a range of transducers, are the two central components required to create a modern turnkey soil testing system. Being fully modular it can be adapted to a wide range of soil testing laboratory configurations.

• For performing CBR, Consolidation, Direct/Residual Shear and Total & Effective Stress Triaxial tests
• 8 Channels expandable to 32 for performing multiple, concurrent tests for cost savings
• Independent signal conditioning on each channel to maintain data accuracy
• Field-upgradeable software, meaning no downtime for future software and functionality upgrades
• PC link via RS232 (DS7.1 only), or RS232 and Ethernet P2P/LAN (with DS7.2 and following)

• Extended warranty

Specification

Case	Aluminum, free standing; houses power supply, analogue to digital conversion module and an 8-channel analogue input module with transducer energization.
Sockets	Standard 5-pin DIN type.
Input Range	± 5 volts to ± 10 mV full scale.
Transducer Supply	10vDC.
Dimensions	12.8” w. x 14.3” d. x 6.1” h. (325 x 363 x 155 mm).
Weight	Net 14.08 lbs. (6.4 kg).

Accessories

8-Channel Expansion Analog Input Module

Code: 27-1505

USB to Serial Adapter

Code: 27-1701

Alternatives

DSU Electronic Readout and Control System 110 V AC 60 Hz

Code: 27-1300/02

DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: 27-1300/01

RS232/USB Cable, GDU

Code: 27-1510