ELE
International

IF IT'S WORTH BUILDING, IT'S WORTH TESTING

www.ele.com

Contents

This wishlist was generated on 21/11/2017, and contains the following Products:

27-1500/02
GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

37-4856/09
ADR TOUCH Digital Readout Unit

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

GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

Code: 27-1500/01

RS232/USB Cable, GDU

Code: 27-1510

ADR TOUCH Digital Readout Unit

Code: 37-4856/09

Product Group: Digital Readouts, ADR TOUCH Digital Readout Unit Accessories

• New touch screen user-friendly interface to reduce set-up and training time.
• Data storage for thousands of results.
• USB data transfer to PC and RS232C printer output.
• High accuracy and test repeatability.
• Select your language for screen prompts: English, Spanish, Portuguese or French.

The ADR Advanced Digital Readout incorporates the latest in microprocessor technology. Its advanced facilities for data acquisition, calculation and presentation provide a very effective upgrade path for your existing compression testing machines. Procedures are easily executed on the touch-button data entry keypad with results viewed on the large, backlit LCD display.

Accurate load pacing is assured by means of the pace deviation bar graph incorporated into the display. The stress is calculated automatically at specimen failure and then displayed in engineering units. Automatic storage for data for 500 tests is possible. Using the serial RS232C communication port, data can be sent to personal computers or printers for hard copy printout of the tests.

Standards

ASTM C39, ASTM C78, ASTM C104, ASTM C109, ASTM C293, AASHTO T22, AASHTO T97

Further Information

110-220vAC, 50-60 Hz, 1ø.

Specification

Inputs	1, via standard 5 pin DIN sockets.
Input Range	????????
Transducer Excitation	0.05...10V @ 5 mA (max.).
Measurement Units	Lbf, kN or kgf (selectable).
Accuracy	Better than +/- 1% over the calibrated range.
Display	5.7" (145 mm) high resolution QVGA touch-screen display, incorporating full key pad

	(QWERTY type)
Dimensions	12.4" w. x 6.4" d. x 6.2" h. (316 x 162 x 158 mm).
Weight	Net 7.9 lbs. (3.6 kg).

Accessories

Portable Impact Tape Printer

Code: 37-4862/02

Pressure Transducer

Code: 37-4856/10