



DALEC ELECTRONICS

9335 West Belmont Avenue Franklin Park, Illinois 60131 USA

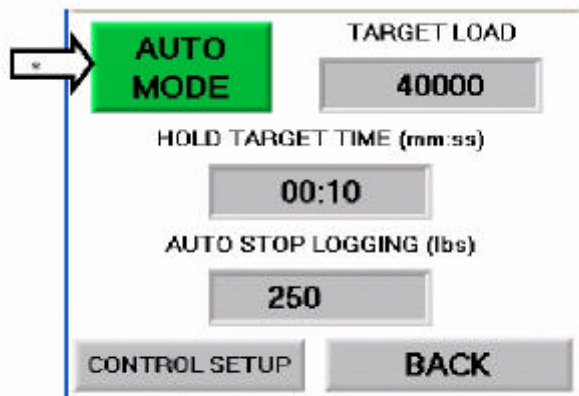
We Accept Credit Cards w.dalec.com 800-621-8276 or 847 671-7676 Fax 847 671-7665

- DEI57SC 5.7" touch screen controller/monitor with single load cell input**
- DEI57SM 5.7" touch screen monitor only with single load cell input**
- DEI57DC 5.7" touch screen controller/monitor with dual load cell input**
- DEI57DM 5.7" touch screen monitor only with dual load cell input**

- ?? **Load cells: Depends on Model Number**
- ?? **Resolution: 24 bit.**
- ?? **Accepts a 12 point Calibration**
- ?? **Filtering / Count By Settings**
- ?? **Tare button: YES**
- ?? **On/Off switch: YES**
- ?? **Control type: On/Off**
- ?? **Control devices: Solid State Relays (25 Amps)**
- ?? **Configurable Control Options (Performance)**
- ?? **Test certificate application: included (Required: Excel 2007 & Ethernet Port on PC)**
- ?? **PDF Certificate, CSV Data File**
- ?? **Ethernet Connectivity**
- ?? **Password Protection**
- ?? **Sampling Rate: Auto-Selected(10per sec max)**



This system allows the operator to run a test in auto control mode or manual mode. Data logging is performed within the touch screen controller and then transferred when the test is complete. This allows for faster sampling rates and data retransmission in an event of transmission errors. *Auto stop logging* stops the data logging at a predetermined low value as not to log unnecessary data. *Hold Target Time* tells the controller the duration of time that the load must be held, before pressure is released (Auto Mode).



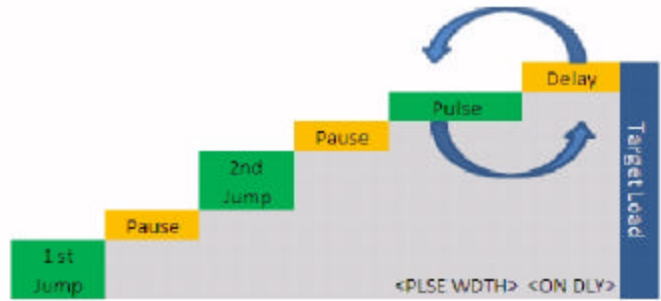
Test Setup Screen – Auto Mode View



Graphing Screen – Test in Progress

1st Load Jump	TEST SETUP
75 %	
2nd Load Jump	Safe Load
75 %	500 lbs
Pause	Hysteresis (Band)
2.0 Sec	100 lbs
Pulse Parameters:	
ON Time Delay	Pulse Width
1.0 Sec	2.0 Sec

Control Setup Screen



Timing Diagram - PLC Control

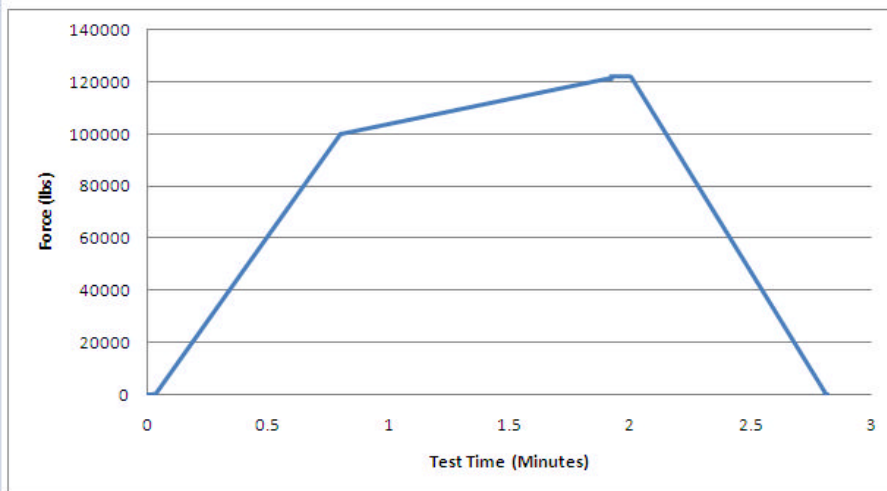
Certificate of Testing

Insert Your Logo Here

Company Address
City, State Zip

Tel: 123-456-7890 ISO 9001:2008 Certified Fax: 123-456-79891

Customer:	Your Customer Name	Test Number:	1254
	Your Customer Address	Test Date:	October 14, 2009
		Peak Load:	121,000
Part Number:	Part ABC	Test Duration (Min):	3.0
Serial Number:	200812345	Test Method:	Proof = 2 X WLL
Sales Order Number:	Your S.O. #	WLL:	60000
Invoice Number:	Your Invoice #		
Size:	Part Size	Description:	Part Description
Length:	Part Length		



Enter Comments Here

Acceptable
 Not Acceptable

Test Operator: _____

Enter Data Here: Bill

Pictured above is the ON/OFF control scheme. The operator enters the first and second steps in percent of the target load and the pause in between in seconds (0.1 sec resolution).

Operation

The system will energize relay 1 to allow the force to increase up to step 1 and pause. After the pause the system will energize relay 1 again until the system reaches step 2. Then the system will turn relay 1 on and off in short bursts until the target load is reached and will keep cycling relay 1 to hold the pressure at the target load until the hold target time is met. Finally the load is released, data is transferred and the appropriate files are created and saved.

Additional Options:

- ?? RFID and Barcode readers
- ?? Elongation (Data logged and Graphed vs. load)
- ?? Audible Enunciator
- ?? Custom Configurations (Call 800-621-8276)