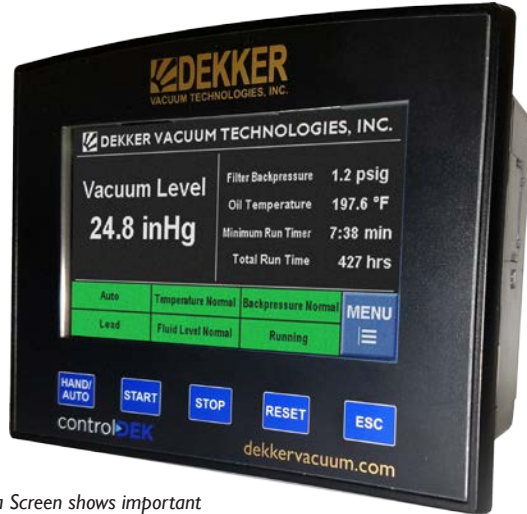
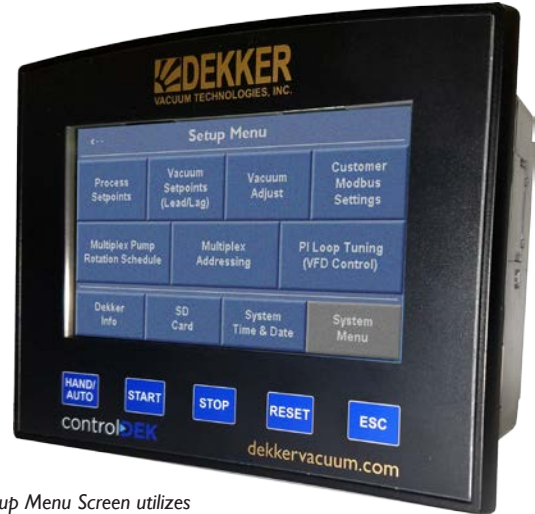


Introducing the **ControlIDEK™ PLC** from DEKKER Vacuum Technologies. The ControlIDEK PLC is an easy to use, yet highly advanced, touch screen controller. The ControlIDEK PLC is available across all of DEKKER product lines, and is designed both for Standard or Custom applications. The ControlIDEK PLC offers at a glance access to important system information and controls.



The Process Data Screen shows important system information and controls at a glance.



The Setup Menu Screen utilizes large touch buttons and a simple to use interface.

The ControlIDEK PLC offers many advanced features and advantages over previous DEKKER control systems.

Features and Advantages include:

- Single standard user-friendly interface across DEKKER'S full product line and systems
- Software updates that can easily be applied in the field
- Enhanced monitoring capabilities with optional Modbus communication module
- Optional SMS and Email Functionality
- Trend, Charts and Data Logging

The ControlIDEK PLC Data Logging features include:

- Interval Logging or Events Only Logging
- User adjustable Logging Interval
- Log to Excel® File (.csv file format)
- Logs stored on removable MicroSD card
- Data is logged for only one Panel
- Multi-Systems will have a log for each panel
- 1 Minute Interval = 1+ Year of Data
- 5 Minute Interval = 20+ Years of Data

Dekker Controller/ ControlIDEK Feature Comparison

Dekker Controller	ControlIDEK
VMax Only	All Dekker Systems
4-Line LCD	Modern 4.3" Color Touch Screen
Non-Intuitive User Interface	User Friendly Touch Screen
Modbus and other communication standards not available	Optional Modbus (Serial or Ethernet) Optional SMS or Email Functionality
No Charts, Trending, or Data Logging	Trending, Charts, and Data Logging standard





ControlDEK Data Logging

The Data Log for the ControlDEK PLC can be set for **Events Only** or **Interval Logging**. Interval Logging writes a line of data at a user set interval. In addition, interval logging will write a line of data for any of the event triggers. Events Only logging will write data only at Event Triggers. Events Only logging is often times easier to read, but may not offer enough information to determine why a fault occurred. As an example: the Events Only log shows that a High Temperature Warning and High Temperature Alarm occurred, but does not show the information leading up to those faults. Interval logs show all of this data.

Example of an Events Only Data Log File

Date	Time	Hand/ Auto	Run Status	Vacuum Level	Back- pressure	Oil Temp	Total Run Hours	Event
9/25/16	15:12:37	Hand	Stopped	19.9	0	71.9	97	Local Start
9/25/16	15:32:47	Auto	Running	19.9	0	71.9	98	State Change Hand Auto Switch
9/25/16	15:33:04	Hand	Running	19.9	0	71.9	98	State Change Hand Auto Switch
9/25/16	15:38:44	Hand	Running	19.9	0	71.9	98	Local Stop
9/25/16	15:43:12	Hand	Stopped	19.9	0	71.9	98	Local Start
9/25/16	16:14:26	Hand	Running	19.9	0	127.4	98	High Temperature Warning
9/25/16	16:52:39	Hand	Running	19.9	0	123.6	99	High Temperature Warning Cleared
9/25/16	17:13:56	Hand	Running	19.9	0	125.9	99	High Temperature Warning
9/25/16	17:31:22	Hand	Running	19.9	0	150.5	100	High Temperature Alarm
9/25/16	18:08:42	Hand	Stopped	19.9	0	106.5	100	High Temperature Alarm Cleared
9/25/16	18:08:42	Hand	Stopped	19.9	0	106.5	100	Fault Reset Button Actuated
9/25/16	18:14:48	Hand	Stopped	19.9	0	90.3	100	Local Start

Data Logged

- Date
- Run Status
- Oil Temp
- Time
- Vacuum Level
- Total Run Hours
- Hand/Auto Status
- Backpressure
- Event

Event Triggers

- Hand/Auto State Change
- High Temperature Warning Cleared
- Contactor Fault/VFD Run Fail
- Local Start
- High Temperature Alarm
- High Fluid Level
- Remote Start
- High Temperature Alarm Cleared
- Low Fluid Level
- Local Stop
- Backpressure Warning
- Fluid Level Normal
(return from high/low status)
- Remote Stop
- Backpressure Warning Cleared
- Contactor Overload/VFD Fault
- Fault Reset Button Actuated
- Backpressure Alarm
- Overload Reset/VFD Fault Reset
- High Temperature Warning
- Backpressure Alarm Cleared

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