The PRO-LCDi-100 is a digital LCD gauge display that serves as a multi-purpose data logger and information link between you, and your car. It bridges the gap between expensive data loggers, and the typical mechanical gauge cluster. This interactive engine monitoring system integrates intelligent feedback to keep you aware of your vehicle’s status while you focus on the task at hand.

The system can be used with modern computer controlled engines, or early model carbureted motors. The PRO-LCDi-100 is capable of displaying, and logging essential information such as Speed, RPM, Coolant Temperature, Fuel Level, as well as a number of critical vehicle parameters* at an affordable price.

* See page 3 for supported parameters

The PRO-LCDi-100 series system outperforms comparable displays by integrating customized warning indications, user defined maintenance schedules, and a large 10.1 inch multi-touch screen. Unlike other kits which require additional expenses for sensors, modules and harnesses, the 100 series kit includes all components in one complete bundle.

The LDi series offers a large colour display, and is the only system that utilizes both a touch screen and a wireless keyboard for ease of operation.

Choose options as you desire to personalize your kit car, early model hot rod, or late model sports car to monitor fuel pressure, oil pressure, or add a host of other intelligent features. Set your own warning levels to receive visual indications, and audible tones to minimize adverse vehicle events.

Standard functions include data logging, playback software, user programmable messages, and an adjustable LED shift light. See the Product Specifications page for complete details.

The PRO-LCDi-100 has been developed with the performance enthusiast in mind as it supports GPS logging, a 3-axis accelerometer, and an array of parameters organized in an intuitive and easy to read display.

Many customizable options include: gauge needle colour, personalized welcome messages, warning indicators, warning level set points, shift light RPM threshold, and several more.

Receive free software updates via web download as new versions become available. Installation is simple, with support through phone, email, and instructional video if required. User manuals are included in PDF format with every product.
The PRO-LCDi-100 uses a high capacity flash drive with a minimum of 15 Gigabytes of data storage. Download vehicle data to your home computer through the standard USB 2.0 port, or WIFI link.

Expansion is easy with plug & play options that can be added at any time. View the current available add-ons below.

System Developed by:

Kit contents: 10.1” LCD touchscreen, Data logging processor, Wireless keyboard, Display Controller, USB data cables, wiring harness (not shown)

SYSTEM FEATURES:
- 1024 x 800, High Resolution Display, 24Bit Colour
- LED for user adjustable shift light
- Integrated accelerometer, and GPS sensors
- For use with PCM, or carbureted engines
- Data Playback software included
- Multi-mode screens
- Easily expandable for additional sensors
- Low power consumption design

AVAILABLE OPTIONS:
- Vintage Air Climate Control
- Push-Button Start
- Remote Touchscreen
- OBDII (CAN and J1850 Supported)
- RGB LED Light Controller
- 3rd Party Custom Executable Menu

OPERATING PARAMETERS:
- Total Current Load (15VDC):
  - 113 mA standby
  - 2.24 Amps nominal operating
  - 4.27 Amps all channels driven
- Environment: -10°C to +72°C, 10% to 90% RH
- Power (peak operating at 15 VDC) 65 Watts

CONTROLLER SPECIFICATIONS:
- 2048 MB RAM, 32 GB Flash storage
- 1.330 GHz CPU speed
- Intel HD (Gen 7 Baytrail) Graphics
- Weight: 585gms / 1.29 pounds
- Size: 262/178/10.2 mm, 10.3/7.0/0.4 inches
- Wireless Interfaces: 802.11 b/g/n, BT 4.0

KEYBOARD SPECIFICATIONS:
- 3.5” Multi-touch touchpad
- Wireless range 10 m, 33 ft.
- QWERTY style keyboard layout

PROCESSOR SPECIFICATIONS:
- Digital I/O Pins: 54 (14 for PWM O/P)
- Analog Input Pins: 16
- DC Current per I/O Pin (5 VDC): 40mA
- Clock Speed: 16 MHz
- All inputs 12.0 VDC, 1.33 mV resolution
- Size: 5.5/3.2/1.7 inches; Weight 0.3 pounds

For more information, visit: www.procision-auto.com
ANALOG INPUTS
Voltmeter, Engine Temperature, Fuel Level, Outside Air Temperature, Throttle Position, Manifold Pressure (vacuum/boost), Intake Air temperature Oil Pressure*, Fuel Pressure*, Option 1, Option 2, Option 3, Option 4

PULSED INPUTS
Vehicle Speed, Engine RPM, J1850 (OBDII), CANBUS (OBDII)

DIGITAL INPUTS
Brake, Driver door, Passenger door, Hood, Hatch, Left Turn signal, Right Turn signal, High Beam, Option 1, Option 2, Option 3, Option 4

OUTPUTS
Shift LED, Analog Option 1, Analog Option 2, Analog Option 3, Analog Option 4, Digital Option 1, Digital Option 2, Digital Option 3, Digital Option 4,

DATA LOGGED PARAMETERS (100 Series)
Accelerometer, Elevation, GPS Lat., GPS., Lon., Compass heading, Vehicle Speed, Engine RPM, Throttle Position, Brake, Coolant Temperature, Outside Air Temperature & Humidity, Intake Air Temperature, Manifold Pressure, Volts, Date/Time, Oil Pressure*, Fuel Pressure*

USER CUSTOMIZABLE FEATURES (100 Series)
Personalized start-up message, Maintenance reminders, Gauge Pointers and Highlight Colour, Shift RPM, Low fuel level set-point, Coolant Temperature set-point, Tachometer redline set-point, Trip counter reset, display accelerometer, display digital RPM/Speed, Sport Mode ON/OFF, Low fuel pressure set-point*, Low oil pressure set-point*

SCREEN MODES
Normal display for leisurely driving; Sport Mode for performance use; Status Mode for troubleshooting and system overview

* May require additional hardware

A sample of the data log captured by the processor each time the engine is started, and shut down. You’ll never forget to capture important performance data!

Easy to configure options using any text editor. Enter your own messages to display on start-up, warning indications, or service reminders.
10.1“ LCD Display (not to scale)

- Weight: 585gms / 1.29 pounds
- Size: 262/178/10.2 mm, 10.3/7.0/0.4 inches

Video Controller (not to scale)

- Weight: 427gms / 1.29 pounds
- Size: 99/150/51 mm, 3.9/5.9/2.0 inches

Processor (not to scale)

- Weight: 612gms / 1.35 pounds
- Size: 122/191/60 mm, 4.8/7.5/2.35 inches
Packing Contents (LCDi-100, BASIC)

- LCDi-100 Module Box with mounting brackets
- USB 2.0 OTG Cable
- HDMI Video Cable
- Video Controller
- Processor Module

Packing Contents (LCDi-100, COMPLETE)

- LCD screen brackets
- Foam gasket
- 10.1 inch LCD Touch Screen
- Wireless Keyboard with mouse pad
- Toggle Stick for Menu Control
- LED Shift Light
- USB 2.0 OTG Cable
- HDMI Video Cable
- Video Controller
- Processor Module

Basic kit contents shown
The Data Playback software can be loaded on most Windows based computers to help analyze your car’s performance. The software uses the CSV log file created by the LCDi system. The file may also be opened with other programs which support CSV file formats (IE: MS Excel).

**WARNING MESSAGES**
The intelligent side of the LCDi suite minds your engine vitals, and also suggests remedies to get you back on track as soon as possible. Never miss scheduled maintenance with periodic reminders that give you advance notification. Simply clear the message by touching the screen in the active area.

**SPORTMODE DISPLAY – DIGITAL TACHOMETER**
Use this mode to obtain digital readouts for RPM, and SPEED. The shift light feature also flashes an indication on the Tachometer in unison with the LED light illumination.

**DIGITAL skin theme shown with AFR and Fuel Pressure option**

**AUDI analog skin theme shown in Playback mode**
STATUS MODE

Use the Status Page to check sensor response, or for troubleshooting purposes. The Status Page will only display when selected, and only while the engine is off. Sensor data is logged automatically with every engine startup, and shutdown.

5 / 6 / 2017
11:34

ON-BOARD DIAGNOSTICS

<table>
<thead>
<tr>
<th>CODES PRESENT</th>
<th>No Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miles Since Clear</td>
<td>1,200 Miles</td>
</tr>
<tr>
<td>VIN: GHIJ1234567890</td>
<td></td>
</tr>
</tbody>
</table>

CODES:

- P0100 – Mass Airflow Circuit
- P0220 – ABS Sensor

DIGITAL skin theme shown with OBDII option

DEFAULT / NORMAL MODE DISPLAY

Centenario skin shown with Fuel Pressure and Oil Pressure option
12 Month Limited Warranty

Procision-Auto, Inc. warrants to the consumer that all products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at Procision-Auto's option to the consumer, when it is determined by Procision-Auto, Inc. that the product failed due to defects in material or workmanship.

This warranty is limited to repair or replacement of parts in Procision-Auto's product line. In no event shall this warranty exceed the original purchase price of the instruments nor shall Procision-Auto, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of this product.

Warranty claims to Procision-Auto must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12 month warranty period.

Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. Procision-Auto, Inc. disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by Procision-Auto.

Procision-Auto is not liable or responsible for injury or death to vehicle occupants in the event of tablet or LCDi system malfunction.

Procison-Auto is not liable or responsible for damage to the tablet, or LCDi module as a result of faulty vehicle wiring. Product warranty is void if the module is installed by an unlicensed automotive electrician.

Service & Support
For service send your product to Procision-Auto in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. Please specify when you need the product back.

CONTACT
Procision-Auto Inc.
647-522-9953
Toronto, Ontario
www.procision-auto.com
lcdisupport@procision-auto.com