

NewGen Series

Panel Mount Hour/Maintenance Meter

SenDEC has created the most *powerful* maintenance meter on the market today. Until now, there have never been so many rich features and options packed into one cost effective, robust solution. The New Gen will change hour metering and the maintenance monitoring as we know them today!



Features at a glance:

- Hour meter
- 2 Timers
- 3 Service Alerts
- Cycle event counter
- Warranty clock
- LCD Display always lit
- Volt meter with alarms
- Tachometer
- Smart sense counting
- Equipment Battery saver
- Power up message
- Power down message
- Universal AC/DC input
- Inductive input
- Generic I/O
- Multiple stock messages
- OEM custom messages
- 100% epoxy sealed

FEATURES and OPERATION:

Mode Button

- a) Simple Mode button toggles through available modes, clear alarms and more
 - b) Sealed and tested for the harshest environments
- (note: also available without a Mode button)

Hour Meter and Timers

Total timer counts in tenths, then whole hours up to 99,999 hours (non resettable)
 Timer 1 counts in tenths, then whole hours up to 99,999 hours (resettable or non resettable)
 Timer 2 counts in tenths, then whole hours up to 99,999 hours (resettable or non resettable)
 (Note: If the OEM selects the Timer(s) as resettable, the time can be reset by holding the Mode button down for 3 seconds while in the Timer1 or Timer2 mode respectively.)

Advanced Service Alerts

SenDEC Service alerts are unmatched! Choose from 3 Service Alerts with break in intervals, decide when to warn the customer, how often to display the alert, choose resettable or automatic service alerts, sync up multiple alerts, activate an LED or signal output.

- Three (3) Service Alerts (1 to 9,999 hour interval)
- One time Breakin interval option for each alarm (1 to 999 hours)
- Reset the Service Alert by holding down the Mode button for 3 seconds, or 10 seconds
- Interval sync up option so multiple services come due at the same time
- Flash Alert trigger: (OEM can decide when to flash alerts on LCD regardless of what mode the meter is in, plus how often to flash).
- View hours remaining in the Service interval by pressing an releasing the mode button
- Standard and custom messages available.

Service Alerts: Service alerts are count down intervals (run hours). The interval how frequently service is due (in run hours). (Example, Change Oil every 25 hours). After the interval is reached, the LCD will show to service "NOW". The LCD shows how many hours are left before service is due.



Break in Interval: The user can select a one time break in interval that is different than recurring intervals (Example: Change Oil every 5 hours the 1st time, 25 hours thereafter). Each alert can be set up with a break in interval.

Tel: 905.937.9652
 Fax: 905.938.7406
 Toll Free: 866.884.7569
www.dicaninc.com

DiCAN Inc.
 1100 Burloak Drive, Suite 300
 Burlington, Ontario
 L7L 6B2 Canada

DiCAN
 DIGITAL INSTRUMENTS CANADA INC.

Reset the Service Alert: The interval/service alert can be reset per the OEM options below:

- a) Reset anytime by holding down the Mode button for 3 seconds while in Service Alert mode.
- b) Reset only when the alert is flashing by holding down the Mode button for 3 seconds, while in Service Alarm mode
- c) Reset Automatically after the interval is reached (generally used for non Mode button versions)

Note: OEM can select Mode button reset after 9 seconds hold time instead of 3 seconds

Interval Sync up: Intervals can sync up with other service alarms so multiple services come due at the same time. (this so multiple maintenance can be done while the equipment is in the shop).

Flash Alert Trigger: The OEM can decide when to start flashing service alerts on the LCD, regardless of what mode the meter is in. This feature alerts the user that a required service is coming due soon. (Example: The normal service interval is 25 hours. Start alert flashing when the interval gets down to 6 hours... the LCD starts flashing "CHG Oil in 6 hours", "CHG Oil in 5 hours", and so on until the interval is reached " CHG Oil NOW".

How often to Flash Alert: Once the Flash Alert Trigger is started, the OEM can define how often the service alert is flashed on the LCD (example, flash "CHG Oil" service alert every 4 seconds). OEM selectable from 1 second to 60 seconds

Event Counter

Counts power up cycles. Cycles can be resettable or non resettable and can be viewed on the display in the following manners:

- a) View automatically when the equipment is powered off
- b) View when toggled to by the Mode button (when chosen to be a viewable mode).

Note: If the OEM selects the event counter as resettable, the counts can be reset by holding the Mode button down for 3 seconds while in the Even Counter mode.

Warranty Watcher

The warranty watcher is a Real time clock to track and display the equipment warranty period.

- a) While in warranty, a small dot on the LCD flashes.
- b) When the warranty period is expired, the dot on the LCD goes solid.
- c) The OEM specifies the number of warranty years from 1 year to 11 years
- d) The OEM establishes a *grace period* before initialization of warranty clock. (for example allow 8 hours of run time before the warranty clock starts counting).

Tachometer

The tachometer can display up to 9,999 rpm with 1% resolution. For button versions, the Tachometer mode can be accessed using the Mode button. For non-button meters, the tachometer is only displayed while the engine is running. Various firing patterns are available. The primary input for the tachometer is the Inductive input.

Power up, Power down messages

- a) Messages can be displayed on the LCD on power up or power down of the equipment.
- b) The OEM specifies the message and how many times the message is repeated. For Example: on power up display "SEAT BELT" three times. (repeat can be 1-15 times)

Volt Meter

The equipment voltage can be monitored and displayed on the LCD.

- a) The voltage can be viewed by using the Mode button to toggle to the Volt Meter Mode. –or- The voltage can be displayed automatically on the LCD on power up for several seconds.
- b) Measures from 8 volts to 19.9 volts DC with 0.1 volt resolution, +/-2% accuracy. -40C to +70C

Volt Meter Alarms

The OEM can determine what over or under voltage levels will trigger an alarm. When an over or under voltage level is detected, an alarm message will appear on the LCD, regardless of what Mode the meter is in. (Exp: "Volts Lo", or "Volts Hi")

Smart Sense counting

Smart Sense only counts hours when the engine is running. This is useful if the user leaves the key in the ON position without the engine running, resulting in erroneous run time.

- a) The OEM specifies the ON counting voltage level and OFF counting voltage between 8 volts and 19.9 volts DC

Battery Saver

This feature prevents battery drain if the equipment key switch is left ON, but the engine is not running. In this case the Solid state circuitry disconnects power drains such as a fuel solenoid or other power hogs.

Tel: 905.937.9652
Fax: 905.938.7406
Toll Free: 866.884.7569
www.dicaninc.com

DiCAN Inc.
1100 Burloak Drive, Suite 300
Burlington, Ontario
L7L 6B2 Canada


DIGITAL INSTRUMENTS CANADA INC.