



# Model 3410

Electronic LCD Hour Meter

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**The Model 3410 LCD Hour Meter provides a large display with 0.28" [7mm] high characters, available in 5 different industry size housings.**

A wide operating voltage, 10-300VDC and 20-300VAC, makes the model 34 versatile for all indoor and outdoor applications. All models are NEMA 4/4X, 12 & IP66 rated when used with the optional gasket and have a polarized lens which assures high visibility in an outdoor environment.

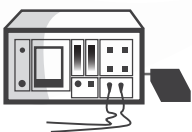
## Key Features

- Totally sealed from moisture and dirt
- AC and DC voltage input in the same unit
- Compact depth
- Fits in existing panel openings
- Always on display

## Options

- A choice of 5 housings
- Optional Remote Reset

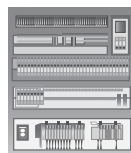
## Applications



Medical Devices



Generators



Control Panel



Production Equipment



Garden Tractor

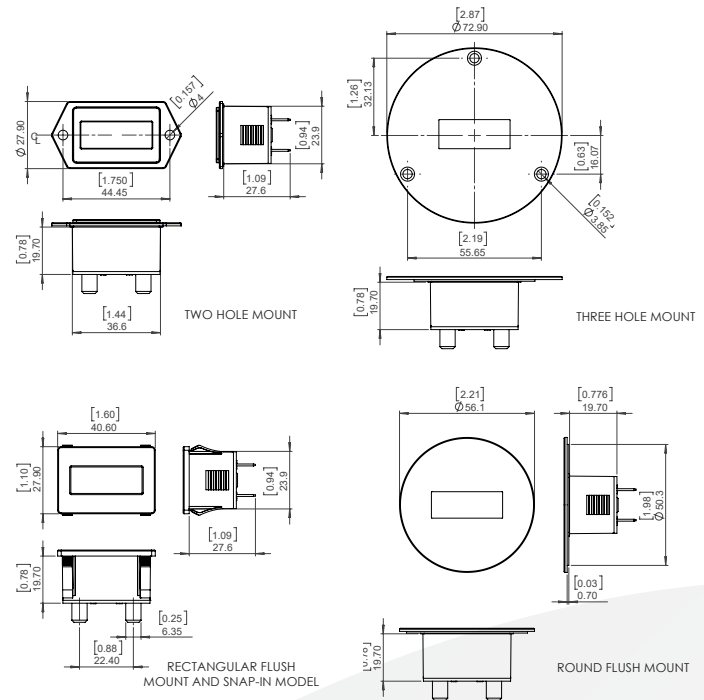


Marine Equipment

## Specifications

|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display</b>                | LCD with large 0.28" [7mm] high figures black on light background                                                                                                           |
| <b>Run Indicator</b>          | Blinking decimal point                                                                                                                                                      |
| <b>Reset</b>                  | Remote and non-reset                                                                                                                                                        |
| <b>Resolution</b>             | 0.1 Hour displayed                                                                                                                                                          |
| <b>Accuracy</b>               | ± 0.1% @ room temperature<br>± 0.2% over the specified temperature range                                                                                                    |
| <b>Records &amp; Displays</b> | 9999999.9 (hours and 1/10ths)                                                                                                                                               |
| <b>Inputs</b>                 | 10-300VDC and 20-300VAC - 50/60Hz <2mA<br>VIH 20VAC or 10VDC minimum<br>VIL 3VAC or 3VDC maximum                                                                            |
| <b>Power</b>                  | Self-powered - battery life 10+ years (battery life reduced to 5 years for temps above 100°F/37.8°C)                                                                        |
| <b>Terminations</b>           | Standard 0.250" [6.4mm] spades                                                                                                                                              |
| <b>Enclosure</b>              | Totally sealed from moisture and dirt. NEMA 4/4X, 12 & IP66 compliant from the front when properly mounted using the optional gasket. (Not applicable in the Snap-In Model) |
| <b>Environmental: Temp.</b>   | Operating Temp.: -10°C to +60°C [14°F to +140°F]<br>Storage Temp.: -20°C to +70°C [-4°F to +158°F]                                                                          |
| <b>Humidity</b>               | 95% RH per SAE J1378                                                                                                                                                        |
| <b>Vibration</b>              | 20g @ 10 to 80 Hz per SAE J1378<br>Shock: 44 to 55g's per SAE J1378                                                                                                         |
| <b>Dielectric Compliance</b>  | 1000VAC 50/60 Hz for 1 minute (34x0 models only)<br>Compliant to the European WEEE and RoHS Directives                                                                      |
| <b>Sealing</b>                | Totally sealed                                                                                                                                                              |
| <b>EMC Compliance</b>         | EN61326                                                                                                                                                                     |
| <b>Protection Against</b>     | Alternator load dump: 150V EMI (Electromagnetic Interface):<br>+400V @ 500Hz inductive switching and reverse polarity                                                       |
| <b>Weight</b>                 | 1 oz. [28g]                                                                                                                                                                 |
| <b>Approvals</b>              | UL & cUL recognized (file # ELIY2.E36690), CE, SAE, UKCA, NEMA 4/4X/IP66 compliant (not including 3410-2210)                                                                |

## Dimensions



### Notes:

- When interfacing the Model 34 with a Solid State Relay or AC Sensor, the leakage current needs to be considered.
- Exceeding the Absolute Voltage Range and the Absolute Maximum Limits may result in damage to the unit.

## Part Numbers

| Part Number    | Description                                                                                          | Gasket   |
|----------------|------------------------------------------------------------------------------------------------------|----------|
| 3410-0000      | AC/DC Hour Meter 2-hole case 1/4" spade terminal non-reset                                           | 5003-010 |
| 3410-0010      | AC/DC Hour Meter 2-hole case 1/4" spade terminal remote-reset                                        | 5003-010 |
| 3410-1000      | AC/DC Hour Meter 3-hole case 1/4" spade terminals non-reset                                          | 5003-017 |
| 3410-1010      | AC/DC Hour Meter 3-hole case 1/4" spade terminals remote-reset                                       | 5003-017 |
| 3410-2000      | AC/DC Hour Meter flush rectangular case 1/4" spade terminals non-reset                               | 5003-009 |
| 3410-2010      | AC/DC Hour Meter flush rectangular case 1/4" spade terminals remote-reset                            | 5003-009 |
| 3410-3000      | AC/DC Hour Meter round SAE case 1/4" spade terminals non-reset                                       | 5003-009 |
| 3410-3010      | AC/DC Hour Meter round SAE case 1/4" spade terminals remote-reset <i>**special order**</i> MOQ=50pcs | 5003-009 |
| 3410-5000      | AC/DC Hour Meter snap-in case 1/4" spade terminals non-reset                                         |          |
| 3410-5010      | AC/DC Hour Meter snap-in case 1/4" spade terminals remote reset                                      |          |
| 5003-010       | NEMA 4X Gasket two hole mount                                                                        |          |
| 5003-017       | NEMA 4X Gasket three hole mount                                                                      |          |
| 5003-009       | NEMA 4X Gasket flush rectangular and SAE round mount                                                 |          |
| 3410-0004-EVAL | 3410 Evaluation Kit                                                                                  |          |

