GLOBAL TOOL MONITORING

From within your plant or across the world, access tool, production and maintenance data.

CVe MONITOR® FEATURES

Progressive's new CVe Monitor v3 tracks tool activity, allowing users to view data on the display or from comprehensive reports using OnDemand or the new CVe Live System. Features include:

- 7-digit LCD display with a push button to move through the display modes.
- 16GB flash drive for file storage.
- Replaceable battery.
- Water resistant with an ingress protection rating of IP52.
- Maximum temperature: 190° F (90° C). For high temp tools, contact Engineering.
- Recommended mounting is on the stationary half of the mold.
- Dimensional compatibility with Progressive's mechanical CounterViews.
- Mini USB connectivity for data retrieval with cables sold separately.

CVe MONITOR® – ON MOLD DISPLAY AND ALERT MODES

Each device is provided at -25 cycles to allow for mold set up and initialization of the CVe Monitor. Once it reaches 0, all timers and data will reset on the monitor. During production, users can press the button on the front of the monitor and review the following information on the display:

Cycle Count: Total cycles for the life of the mold is presented on the main screen.

Cycle Time: Since the first production cycle, cycle time for the life of the mold.

Cycle Time-Recent: Cycle time of the mold for the past 500 cycles is shown in seconds.

Mold Temperature: Current temperature experienced by the monitor (in °C).

Efficiency Percentage: Percentage of time mold has been actively cycling vs being idle.

Efficiency Percentage-Recent: Percentage of time mold has been active in the past 500 cycles.

Cycle Count Reset: Reset separate counter to 0 (press and hold) for interim monitoring of cycles.

Flash Drive: Utilize the 16GB flash drive by connecting the CVe to a PC/Tablet with an industry-standard mini USB cable.

Preventive Maintenance: During initialization, the initial preventive maintenance point and the PM interval are entered and saved onto the CVe Monitor. Then, when the PM is within 10% of the initial point, a wrench icon will appear on the display as shown at right. When a PM is performed using OnDemand and noted as such, the date/time will be written to the CVe Monitor and then the alert is stopped until reaching 10% of the next PM point. If no PM is performed, the CVe Monitor will continue to alert the user until snoozed or the PM is ultimately recorded.

Cycle Time: During initialization, the target cycle time can be entered through OnDemand. Any variation greater than 2% from target will result in a clock icon on the screen. Alert is based off the CYTr.

Efficiency: During initialization, the target efficiency can be entered through OnDemand. Any variation greater than 2% from target will result in a percentage (%) icon on the screen. Alert is based off the EFFr.

Low Battery: The CVe Monitor has a battery life of approximately 4 years in typical molding environments where temperatures are controlled. When the battery reaches a specified level, the display will show a battery icon as shown at right. This is the indication to replace the battery, which can be ordered by contacting Customer Service.

Retrofit CVe for CounterView Tools: During initialization, molders can start the cycle count with the tool's actual cycle count from an existing CounterView or known cycles from maintenance records. Once entered, the user can see the total cycles for the tool, which includes the count of the cycles from the counter and those run with the CVe Monitor.

In the graphic at right, the tool had 1,000,000 cycles on it originally, but ran 507,288 after the CVe Monitor was installed.