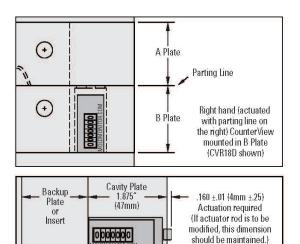


DME CYCLE COUNTER R-Series

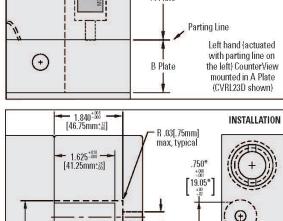
General Description

The DME Cycle Counter R-Series accurately monitors mold operation, validates process (monitoring data, and assists mold maintenance procedures. With a maximum operating temperature of 250°F (121°C), this precise unit has a non-resettable, mechanical, 7-digit counter and a glass-filled nylon housing for rugged durability.





The R-Series can be installed in the A or B plates with a minimum thickness of 1.875" (47mm). Larger plates utilize a threaded rod (included with each) that is pre-machined to the appropriate length for standard plate thicknesses to provide consistent actuation.



28Ø

[7Ømm] THRU to PL

*Light press fit

A Plate

Parting Line at Left



Each R-Series Counter includes the actuator. All except CVR18D and CVRL18D require attachment of the actuator rod to the threaded unit.

.875Ø

22.25Øm

+.12

(+)

INCH Standard

ITEM NUMBER	NOMINAL PLATE THICKNESS
CVRL18D	1.875
CVRL23D	2.375
CVRL28D	2.875
CVRL33D	3.375
CVRL38D	3.875
CVRL43D	4.375
CVRL83D	8.375

METRIC Standard

TE	ITEM NUMBER	NOMINAL PLATE THICKNESS
	CVRL56D	56
	CVRL66D	66
	CVRL76D	76
	CVRL96D	96

INCH Standard

Standard

Plate Thickness

ITEM NUMBER	NOMINAL PLATE THICKNESS
CVR18D	1.875
CVR23D	2.375
CVR28D	2.875
CVR33D	3.375
CVR38D	3.875
CVR43D	4.375
CVR83D	8.375

Parting Line at Right

.50Ø [12.5mm]



METRIC Standard

ITEM NUMBER	NOMINAL PLATE THICKNESS
CVR56D	56
CVR66D	66
CVR76D	76
CVR96D	96

	Divie Cycle Counter Ki	epia
INCH Standard		
ITEM NUMBER	ROUND CV ROD LENGTH	
RCV23	0.5"	
RCV28	1.0"	
RCV33	1.5"	
RCV38	2.0"	
RCV43	2.5"	_
RCV83	6.5"	

acement Actuator Rods

METRIC Standard							
ITEM NUMBER	ROUND CV ROD LENGTH						
RCV56	8.38mm						
RCV66	18.39mm						
RCV76	28.37mm						
RCV96	48.38mm						

164



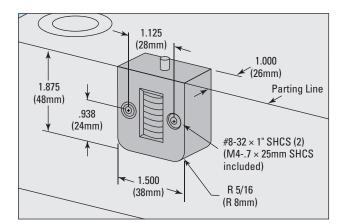
DME CYCLE COUNTER

CCPL300/CCEM300 Series

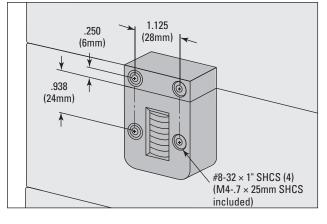
General Description

The DME Cycle Counter accurately monitors mold operation, validates process monitoring data, and assists mold maintenance procedures. With a maximum operating temperature of 320°F (160°C), this precise device uses a nonresettable, mechanical, 7-digit counter to record the number of times a mold closes. Easily mountable to accommodate changeovers for different mold insert heights, the unit's counting mechanism relies on a sensor that detects when the mold has closed. Each mold cycle triggers the counting mechanism to increase the count on the display.





le.						
CCPL300 INCH / METRIC Standard						



EXTERNAL MOUNT					
Pocket machining not necessary. Designed specifically for retrofit applicat	tions.				
CCEM300 INCH / METRIC Standard					

Benefits

- Positively monitors mold activity
- Confirms process monitoring data
- Maximizes mold maintenance procedures
- Glass-filled nylon housing for rugged durability



COUNTERVIEW® MOLD COUNTER

CVe Monitor[®]

General Description

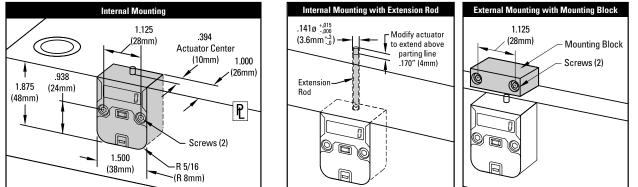
Expanding beyond the capabilities of the R-Series and 100/200 Series, the new CVe Monitor v2 tracks mold activity, allowing users to view the data on the display or from comprehensive reports using OnDemand software or the new CVe System.

Mounting Options



Benefits

- 7-digit LCD display with a push button to move through the display modes
- 4GB flash drive for file storage and 4+ year battery life
- Water resistant with an ingress protection rating of IP52
- Maximum temperature: 190° F (90° C)
- Dimensional compatibility with mechanical Counterviews.



How to order:

- For installation below parting line (i.e. rails as shown in center drawing above), order (1) CVENTID or CVENTMD
- For installation outside of the mold (right drawing) order (1) CVEMBID or CVEMBMD

ITEM	DESCRIPTION MOUNTING STVLE		SCREWS (2)	REPLACEMENT PARTS			
NUMBER			00112110 (2)	ITEM	DESCRIPTION		
CVEPLID	CVe Inch	Parting Line	#8-32 x 1" SHCS	NUMBE	R		
CVEPLMD	CVe Metric	Parting Line	M4 x 25mm SHCS	CVEINT	Internal Extension Rod (8"/203mm) including		
CVENTID	CVe Inch (with 8"rod)	Extension (Includes 8" rod)	#8-32 x 1" SHCS		a hex key for CVe Monitor set screw removal		
CVENTMD	CVe Metric (with 203mm rod)	Extension (Includes 203mm rod)	M4 x 25mm SHCS	CVEXT	External Mounting Block including #8-32 x 1" SHCS (2)		
CVEMBID	CVe Inch (with Mounting Block)	Parting Line	#8-32 x 1" SHCS		External Mounting Block including		
CVEMBMD	CVe Metric (with Mounting Block)	Parting Line	M4 x 25mm SHCS	CVEXT	M4x25mm SHCS (2)		

On-Mold Display Modes

Each device is provided at -25 cycles to allow for mold setup and initialization of the CVe Monitor. Once it reaches zero, 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

Cycle Time

Total cycles for the life of the mold is presented on the main screen of the CVe Monitor.

Since the first production cycle, the cycle time

is shown in seconds for the life of the mold.



Cycle Time - Recent

Cycle time for the past 25,000 cycles.







Efficiency Percentage

OEM-specific CVe Monitors are available with additional

features. Contact DME for more information.

The percentage of time that the mold has been actively cycling vs being idle.

Efficiency Percentage - Recent

The percentage of time the mold has been active in the past 25,000 cycles.

Cycle Count Reset

A separate counter that can be reset to zero for interim monitoring of cycles when pressed and held.



Users can utilize the 4GB flash drive on the CVe Monitor by connecting the device to a PC using an industry-standard mini USB cable (see next page). Users press the button to get to the flash drive mode and then the storage area is represented on the PC by a new drive letter.

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COUNTERVIEW[®] MOLD COUNTER

CVe Monitor®

Alert Mode

Once data is initialized using the OnDemand software, users will be alerted to different modes on the device:

Preventive Maintenance

During initialization, the initial preventive maintenance point and the PM interval is entered and saved onto the CVe Monitor. Then, when the PM is within 10% of the initial point, the display will flash "PM Due" as shown at right. Users can then 'snooze' the alert by holding for 2 seconds. returning it to Total Cycles.

When a PM is performed using OnDemand software 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.

Low Battery

The CVe Monitor has a battery life of approximately 4.5 years in typical molding environments where temperatures are controlled. When the battery is within 6 months of its expected end of life, the display will flash as shown at right. Users can then 'snooze' the alert by holding for 2 seconds, returning it to the Total Cycles. The alert will appear every 30 days as a reminder to transfer the stored data to a new CVe Monitor.

Retrofitting and Removal

Users can view additional data by double-clicking the button on the monitor:

Retrofit CVe for CounterView Tools

During initialization, users 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 screen at right, the tool had 1,000,000 cycles on it originally, but ran 507,288 cycles after the CVe Monitor was installed.

Removal Monitoring

When the CVe Monitor is removed from the tool for any reason (i.e. cleaning) the pins on the back of the device will record an event of its removal. After viewing the retrofit number above, the display will move into the screen shown at right, designating the number of times the monitor was removed from the mold.



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Target Dock Time	20										
India FM Paint	50000										
Target PM Atte/vall	100000	10000									
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Above: OnDemand software allows users to view data and keep a record of reports run, outlining the reason for the report generation including PM, general queries, revision changes, and repairs. Notes can be included and OnDemand records the person generating the document for accurate history.

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