



POWER FACTOR CORRECTION

VAR

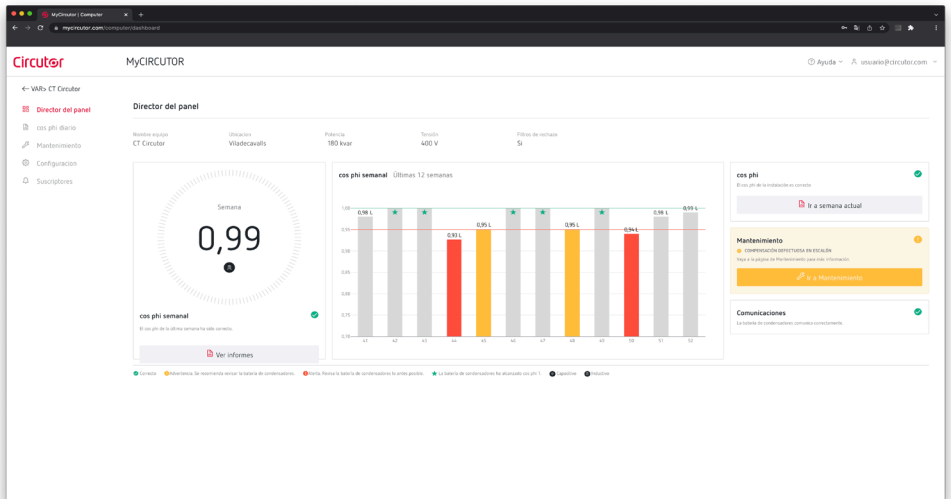
Power Factor Monitoring System

# Avoid surprises. Monitor your installation's power factor 24/7.

The VAR (or more commonly, kvar) is the unit of reactive power. And from now on, the VAR is also the Power Factor Monitoring System in CIRCUTOR's capacitor banks.

The VAR System helps avoid inductive reactive energy penalties by providing smart notifications shown directly on the website of the service or via email, and it also facilitates maintenance by issuing reminders to ensure the proper operation of your capacitor bank.

**Prolong the life of the bank and avoid penalties.**



# VAR

## Power Factor Monitoring System

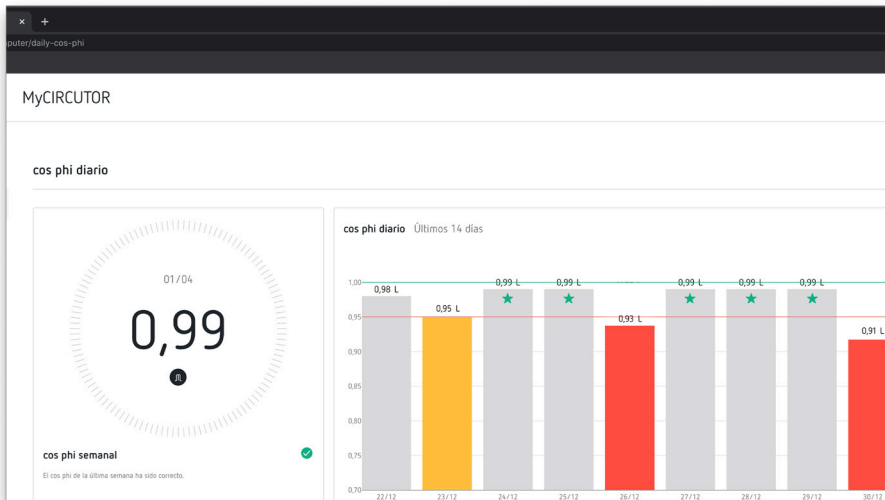
Don't pay more than you have to. Avoid penalties.



The system offers online monitoring of your installation's cos phi, and helps you avoid potential penalties on your electric bill.

### Automatic email alerts

- › Target cos phi alert: We will notify you when your installation's cos phi falls below the target value.
- › Trend warning: We will notify you when your installation's cos phi follows a downward trend. We detected a constant decrease in cos phi, indicating a drop in the bank's ability to compensate.



## Always informed



Receive weekly email reports with the following indicators:

- › Value of *cos phi*: OK or KO
- › Average value of *cos phi* in the last week
- › Graph of the trend in *cos phi* in the last 12 weeks
- › Alerts and active notifications.

**Circuitor**

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## VAR Informe semanal

Nombre  
CT Circuitor

Compañía  
CIRCUTOR

Localización  
Viladecavalls

Cos phi promedio Última semana



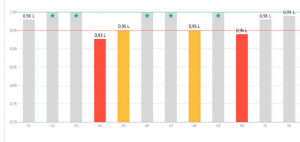
El cos phi promedio de la instalación durante la última semana del 08/11/2021 al 14/11/2021 ha sido de 1,00

Estado de la batería de condensadores

🔴 Tienes 1 avisos activos

🟡 Mantenimiento

Cos phi promedio por semana Últimas 12 semanas.



**Tiempo de funcionamiento** La batería de condensadores ha estado operativa el 92% del tiempo la última semana.

Avisos

🔴 Maniobras excesivas

Hemos detectado un exceso de maniobras en la batería de condensadores. Recomendamos revisar el equipo según lo indicado en el Manual de mantenimiento.

- 🔴 Una vez hayas realizado el mantenimiento, [entra en MyCircuitor](#) para hacer el reconocimiento del aviso y tenerlo disponible de nuevo.

Ver más en la página 2.

**Servicio de Asistencia Técnica**

Si necesitas soporte técnico, no dudes en contactar con nosotros.

📞 (+34) 93 745 29 19  
✉ [sat@circutor.com](mailto:sat@circutor.com)

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## Ensure the service continuity of your bank



The VAR system lets you receive **maintenance alerts and notifications** to ensure the correct operation of your capacitor bank.

Receive emails when:

- › A step is not compensating properly.
- › A step is switching excessively.
- › The recommended annual maintenance is due on the capacitor bank.

The image shows a web dashboard and an email notification. The dashboard has two panels: 'Compensación defectuosa en escalón' (Defective step compensation) with a warning icon and a progress bar (1-6) where step 2 is highlighted in orange, and 'Maniobras excesivas' (Excessive operations) with a success icon and a progress bar (1-6) where all steps are green. The email notification, titled 'MyCIRCUTOR - VAR Alerta: Compensación defectuosa en escalón', features the CIRCUTOR logo, a warning icon, and the subject 'Advertencia'. The body text states: 'Hemos detectado una compensación defectuosa de algunos escalón/les de tu batería de condensadores CT CIRCUTOR ubicada en Viladecavalls. Recomendamos revisar el equipo según lo indicado en el [Manual de mantenimiento](#). Una vez hayas realizado el mantenimiento, [entra en MyCIRCUTOR](#) para hacer el reconocimiento del aviso y tenerlo disponible de nuevo.'

## Manage all your banks from the same screen



If you have more than one bank with the VAR system, you can identify and locate at a glance the latest cos phi value and any active alerts for all your capacitor banks.

The VAR system lets you:

- › See the status of all the banks at a glance.
- › Decide which users will receive automatic alerts.
- › View detailed information on your banks.
- › Remotely monitor your capacitor banks.

The screenshot displays the MyCIRCUTOR web interface. The main dashboard, titled "Dispositivos", shows three capacitor banks with their weekly cos phi values:

- CT Sede Central** (Batería de condensadores): 1,00
- CT Delegación** (Batería de condensadores): 0,99
- CT CT Fábrica** (Batería de condensadores): 0,98

Each bank card includes a "Semana" gauge, a "Computer OS" label, and a "Batería" type. A "+ Añadir dispositivo" button is visible in the top right.

An overlay window titled "Suscriptores" is shown in the foreground, displaying a list of subscribers for the selected device (CT Círculo):

Suscriptores	
Correo electrónico ↑	Notificaciones de avisos
usuario1@circutor.com	<input type="checkbox"/>
usuario2@circutor.com	<input type="checkbox"/>
usuario3@circutor.com	<input type="checkbox"/>
usuario4@circutor.com	<input type="checkbox"/>

Select the regulator to connect to the VAR



### Computer C Wi-Fi



- › **Readings of basic electrical parameters**  
Readings in 4 quadrants and up to 27 electrical variables.
- › **Up to 4 alarms**  
Maximum safety by adjusting alarms, including an anti-resonance alarm.
- › **Plug&Play**  
To get the device up and running quickly
- › **Wi-Fi**

For 230 VAC or 400 VAC networks



Computer  
C Wi-Fi



Wi-Fi



VAR

### Computer Smart III + SmartLink VAR



- › **Three-phase measurement**  
Equivalent to the utility meter.
- › **Power analyzer**  
Measures over 150 electrical variables.
- › **Preventive maintenance (alarms)**  
Maximum safety by adjusting alarms.
- › **Plug&Play**  
To get the device up and running quickly.
- › **RS-485 / Ethernet / Wi-Fi**

For networks up to 520 VAC



Computer  
Smart III



RS-485



SmartLink  
VAR



Wi-Fi  
Ethernet



VAR

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