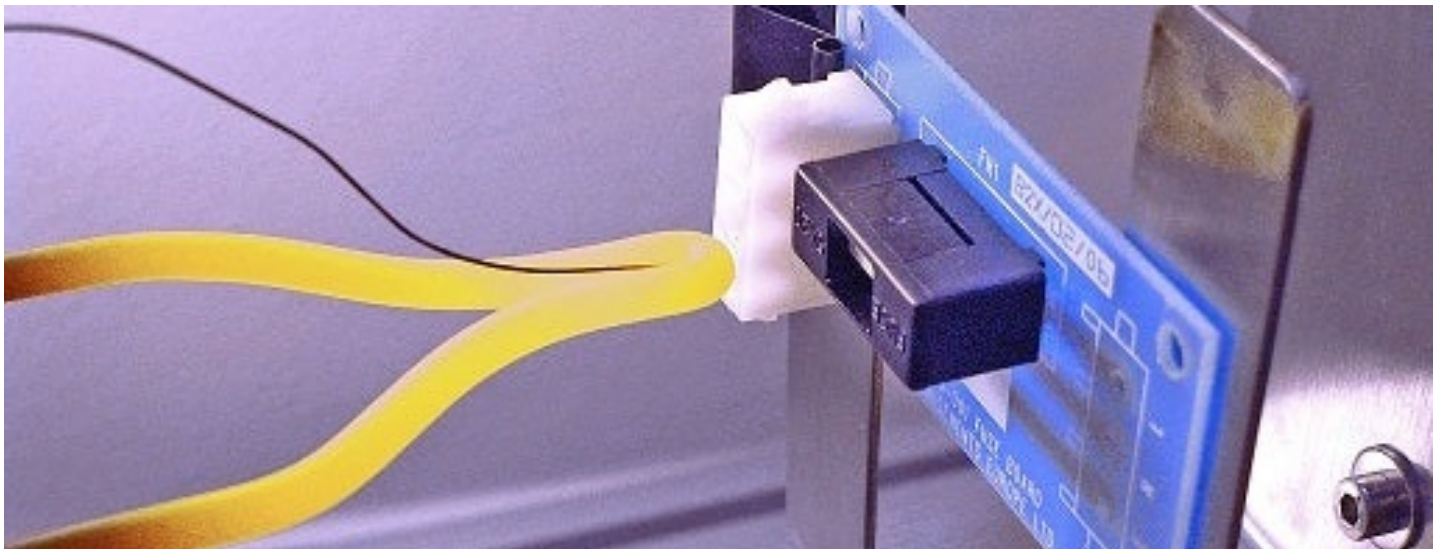


Electrical Consumption and Standby



We measure electrical power usage during operation and standby on a range of products.

Did you know that a limit of standby power usage for domestic products has now been made law?

If you are a manufacturer or a distributor of domestic products, it is your responsibility to ensure compliance.

Training information

This is for manufacturers and distributors of domestic products.

EMC Team
Kiwa Electrical Compliance (EMC)
uk.emc@kiwa.com
+44 (0)1495 229219

Practical information

The requirements in summary:

In order to assess your own product you must have the calibrated equipment required to meet the requirements of EN62301 (Household electrical appliances - measurement of standby power). This requires:

- Stabilised supply with 1% for voltage and frequency
- Supply waveform harmonics not to exceed 2%
- Power measurement accuracy = 0.01W (at 95% confidence level)
- Test room at 23C and = 0.5m/s air speed.

OR we can do it for you, providing you with an independent report stating the consumption.

In 2005, an estimated 47TWh corresponding to 19 million T of CO₂ was used on domestic products in the standby mode. This directive is estimated to save 35TWh by 2020 (equivalent to 14 million tonnes of CO₂).

For more information see Commission Regulation (EC) no.1275/2008 and the working document Draft Guidelines accompanying Commission Regulation (EC) no. 1275/2008.

EMC Team
Kiwa Electrical Compliance (EMC)
uk.emc@kiwa.com
+44 (0)1495 229219