FAST EnergyCam supported meters

1) EnergyCam in general

- EnergyCam supports mechanical electricity, gas, water, oil meters and counter
- forward and reverse meter counting is supported
- upside or upside-down mounting of EnergyCam is possible
- adapters to support a variety of meter types are available

To install EnergyCam on electricity, gas, water, oil meter or time counter, the meter window needs to be clear and large enough so that EnergyCam can be mounted right below or above the counter. Due to the tilted optical way, the counter cutout needs to be large enough to see full letters from the camera's position. Any prints on the meter window below or above the counter might disturb the camera.

Not sure if your meter is supported? Do not hesitate to contact our support team: [http://www.fastforward.ag/eng/support](http://www.fastforward.ag/eng/support)
2) EnergyCam on electricity meters

EnergyCam can be mounted on electricity meters with:

- small or standard front cover glass window sizes
- the counter at the top or at the bottom side of the front cover glass window
- colored or black & white counter front plates

EnergyCam can be mounted upside or upside down. Even multiple tariff meters are supported. The FAST 2-Tariff Meter Adapter L-Shape (Art.Nr. 2008) can be used to mount the upper device.

Note: There are two EnergyCam devices needed to read both counters of a multiple tariff meter.

Due to the design of individual meters it is possible that not all the details of the counter can be seen on the image captured by EnergyCam.

A continuously updated list of known unsupported meters can be found in the following document “FAST EnergyCam supported meters – Electricity Meters”.
3) EnergyCam on gas meters

To install EnergyCam on a gas meter an adapter is needed to ensure the right distance between EnergyCam and the counter.

The FAST Gas Meter Adapter (Art.Nr. 2001) is fixed to the backside of EnergyCam before installation on the meter.

Depending on the position of the counter, EnergyCam can be mounted upside or upside down.

The orientation depends on the space available below or above the meter front cover.

The FAST Gas Meter Adapter (Art.Nr. 2001) needs at least 3.5 cm to be mounted. If the EnergyCam device exceeds the meter front cover, its frame must not be higher than 0.5 cm to be able to mount EnergyCam.

If there is not enough space to mount the FAST Gas Meter Adapter (Art.Nr. 2001) on the meter window, the FAST Universal Gas Meter Adapter (Art.Nr. 2014) can be used to mount EnergyCam.

Due to the design of individual meters it is possible that not all the details of the counter can be seen on the image captured by EnergyCam.

A continuously updated list of known unsupported meters can be found in the following document "FAST EnergyCam supported meters – Gas Meters".
4) EnergyCam on water meters

To install EnergyCam on a water meter and to ensure to have the right distance between EnergyCam and the counter, adapters are available.


The FAST Water Meter Adapter is available in three different heights according to the actual meter type (see examples below).

The distance from the front tip of the counter to the glass of EnergyCam needs to be about 8 mm.

For water meters with brass frame (fig. A) the FAST Water Meter Adapter 60/100 mm (Art.Nr. 2002) will fit best.

For water meters with a flat plastic frame above the brass frame (fig. B) the FAST Water Meter Adapter (Art.Nr. 2012) (2mm) will fit best.

For residential water meters without a frame (fig. C) the FAST Water Meter Adapter 60/4 mm (Art.Nr. 2011) will fit best.
5) EnergyCam on oil meters

EnergyCam can currently only read the oil meter Braun HZS\(^1\). An adapter is required to mount the device. This ensures the right distance between EnergyCam and the counter.

The FAST Gas Meter Adapter (Art.Nr. 2001) is fixed to the backside of EnergyCam before the installation on the meter.

![EnergyCam with mounted FAST Gas Meter Adapter on a Braun HZS oil meter](image)

6) EnergyCam on time counters

EnergyCam can currently only read the time counter from Müller. No adapter is required to mount EnergyCam on the meter.

![EnergyCam mounted on a Müller time counter](image)

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\(^1\) Due to the counter, a smart installation is not possible. EnergyCam must be configured with manual installation (for details see manual).