

FAST EnergyCam 2.0 RF

Datasheet



FAST EnergyCam 2.0 RF uses a camera and OCR (optical character recognition) technology to take regular meter readings and transmits the resulting data wirelessly.*



Applications

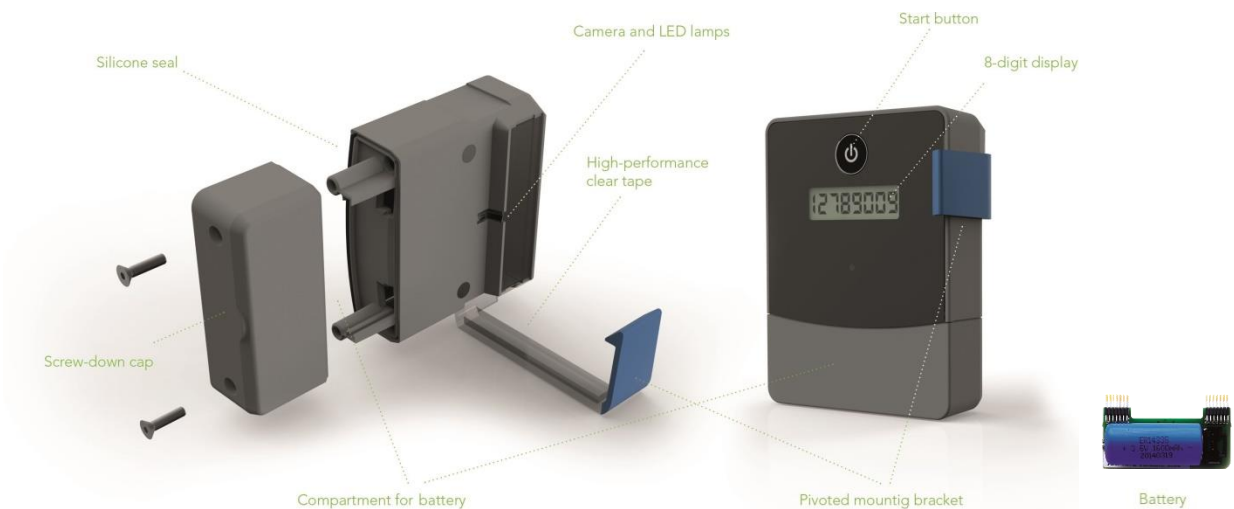
FAST EnergyCam 2.0 RF is the ideal device for taking automated readings from diaphragm type gas meters. It is aimed at energy suppliers, utility meter operators, commercial and industrial users, municipal property managers, and smart home system providers.* Unobstructed view of source meter thanks to the unique pivoted mounting bracket and clear tape mount:



Ordering information

- Art. Nr. 1200: EnergyCam 2.0 RF
- Art. Nr. 1272: EC2 AA Battery (up to 15 years durability)
- Art. Nr. 1263: EC2 USB Interface (for configuration)
- Art. Nr. 2135: 3M VHB spare cleaning cloth
- Art. Nr. 2153: 3M VHB spare adhesive pad 63 x 10.5 mm

*Latest list of compatible gateways and supported meters: <http://www.fastforward.ag/eng/#downloads>



Technical Specs

Data transfer

Radio	Wireless M-Bus, 868 MHz, OMS, T & S Mode selectable, internal wire antenna, 10 dBm RF power, RF range up to 1000m (line of sight)
Interface	Slide-in module for interface module Art. Nr. 1272 EC2 AA Battery
Serial port	4-pin port on interface module; Art. Nr. 1263 EC2 USB Interface accessory available for configuration (ECWin software available for download)

Electrical properties

Power supply	Art. Nr. 1272 EC2 2/3 AA lithium thionyle battery, 3.6V, 1600mAh
Power consumption	15-100 mA resp. 3 μ A closed current in power-down mode
Operating Voltage	3.3 to 3.6V DC

Reading

Optical sensor unit	Camera module with mirror lens and LED lamps for mechanical counters up to 60 mm wide.
Font	White digits on black or black digits on white; minimum digit height: 5 mm; up to 8 digits with up to 3 decimal places
Accuracy	Meter reading recognition of supported meters with a probability of 99.6% at an accuracy of +/- 1 m ³ resp. kWh

Mounting

Fixture	3M VHB 4905 bonding tape, 661 mm ² bonding area, can be completely removed without leaving traces
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User Interfaces

Display	8 digits 7-segment-LCD
Operation	Button

General

Metering tech.	Non-reactive to the specific characteristics of the meter type
Operating temperature	-10 to +50 °C
Protection	IP 64
Compliance	CE
Material / housing	Polycarbonate, PMMA
Dimensions	91 x 70 x 27.5 mm
Weight	93g without, 110g with Art. Nr. 1272 EC2 AA Battery