

NEW: ELSTER EM260 MODEM

Communication with battery-operated volume correctors

Smaller gas stations with inlet pressures up to 4 bar mostly use battery-operated volume correctors. When operating in this field of application, it is not normally necessary to observe any requirements concerning explosion protection. If a modem is connected to the volume corrector for the purposes of transmitting data remotely, then there are certain general conditions which come into play, conditions which standard modems do not fulfill. With the EM260 modem, ELSTER is now in a position to offer a tailor-made solution for transmitting data in connection with the EK260 and EK-88 volume correctors, a solution which perfectly fulfills the special requirements.

Resistant and reliable

The EM260 has a dust and water-resistant housing which guarantees absolute safety and security in ambient conditions which can be extremely difficult and means that it is also suitable for outside installations. The power supply and data communication cables are fed through cable glands and connected via screw clips. We have deliberately avoided the use of plug-in connections and mains plugs, which are often used in standard modems, as these connections have proved to be unreliable in practice.

Power supply included

In addition to the data communication functions, the modem also supplies the power for the battery-operated volume corrector connected to it. This ensures that the data can be called up at any time, without any restrictions. A further positive effect is the fact that the modem helps to ease the load on the volume corrector's batteries, thus increasing their life-span. It also ensures that in



EM260 Modem in combination with EK260

System components for the EK260			
Features	EM260	FE260	FE230
Mains supply 230V AC	•	•	
Mains supply 24V DC	•	•	
Battery-operated			•
Ex-separation of interface		•	•
Ex-separation of digital outputs		•	
Power supply for EK260	•	•	
Modular modem	•	•	
Ethernet interface (alternative)	•	•	
	(in preparation)		
GSM modem with built-in antenna			•
Permanent communication possible	•	•	

the event of a power failure, the power supply can be maintained so the metering and correction functions are not interrupted or impaired.

Communication modules for flexibility

The high-degree of flexibility in using the EM260 stems from its exchangeable communication modules. Depending on the set conditions at the metering point, it is possible to use an analogue, an ISDN or a GSM modem. If the access to the communication network changes, the module can be exchanged without any extra installation costs.

We are also currently working on interface modules which can be used as an alternative to a modem. This allows the user to make use of the available



The EM260 ELSTER-Modem – also for read out of the EK-88 in older installations

readout infrastructure surrounding the volume corrector without having to set up a separate telephone connection.

In the future, using this system will mean that an EK260 volume corrector, for example, can be read out with an Ethernet module via an existing PC network.

Also compatible with volume correctors from previous generations

The new EM260 modem is also suitable for use with the EK-88 volume corrector, which is still in widespread use throughout the industry. It can be used to transmit data via telecommunication networks and, as explained above, provides an external power supply for the volume corrector.

Together with the FE230 and FE260 function extension units, the EM260 modem completes the range of high-quality system components for use with the EK260 volume corrector. As a result, we now have the best solution to guarantee safe data communication for every application (see table).