

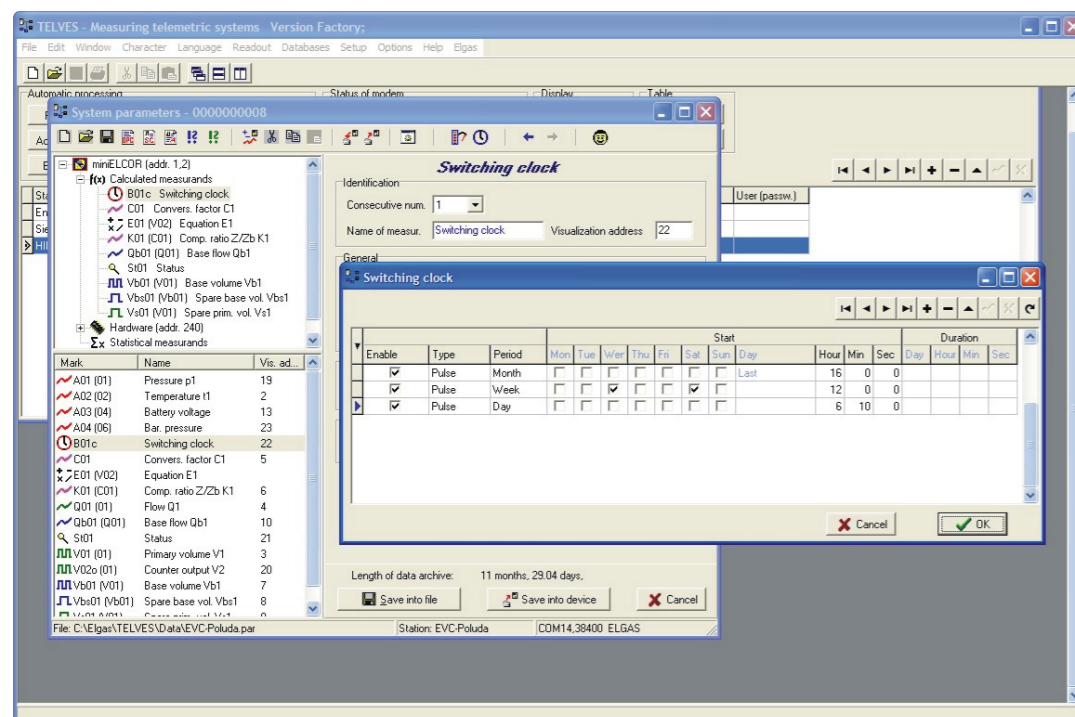
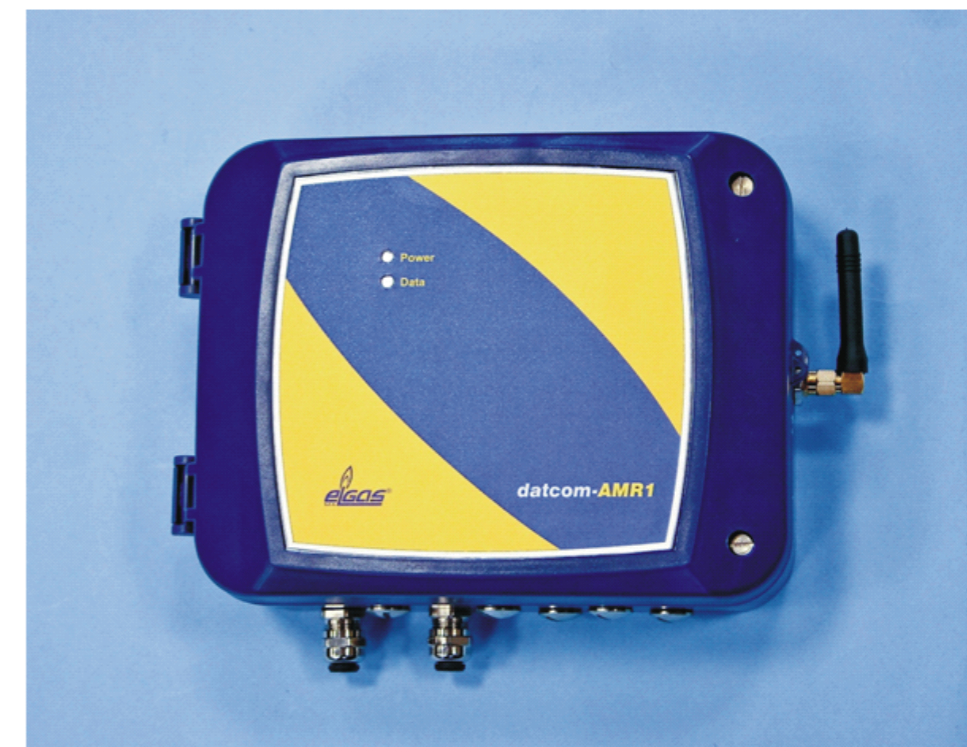
Technical specification

Mechanical parameters	dimensions (w x h x d)	(193 x 160 x 73) mm
	weight	0.9 kg
	housing	polycarbonate
Environment	protection class	IP66, according to EN 60529
	ambient temperature	-25°C to +60°C
	storage temperature	-30°C to +85°C
Intrinsic safety	classification	associated apparatus, non-hazardous area
	ATEX approval	FTZÚ 09 ATEX 0291
Power supply	type of battery	Lithium battery pack (Two D-size cells 3,6V / 13 Ah)
	battery lifetime	5 years in defined operating conditions
Digital output (ensured by safety barrier)	1 digital output	pulse output
Interface for connection of correctors	serial line RS-485	
Communication in GSM network	GSMmodem - 900MHz, 1800 MHz, GPRS - standard (850 MHz, 1900 MHz as option)	

GPRS communicator

DATCOM-AMR1

(Automatic Meter Reading)



- Automatic Meter Reading system
- Remote communication for Gas volume correctors
- Communication in GSM/GPRS network
- Installation in safety area
- Battery powered
- 1 digital pulse output
- Easy installation and easy maintenance

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Device description

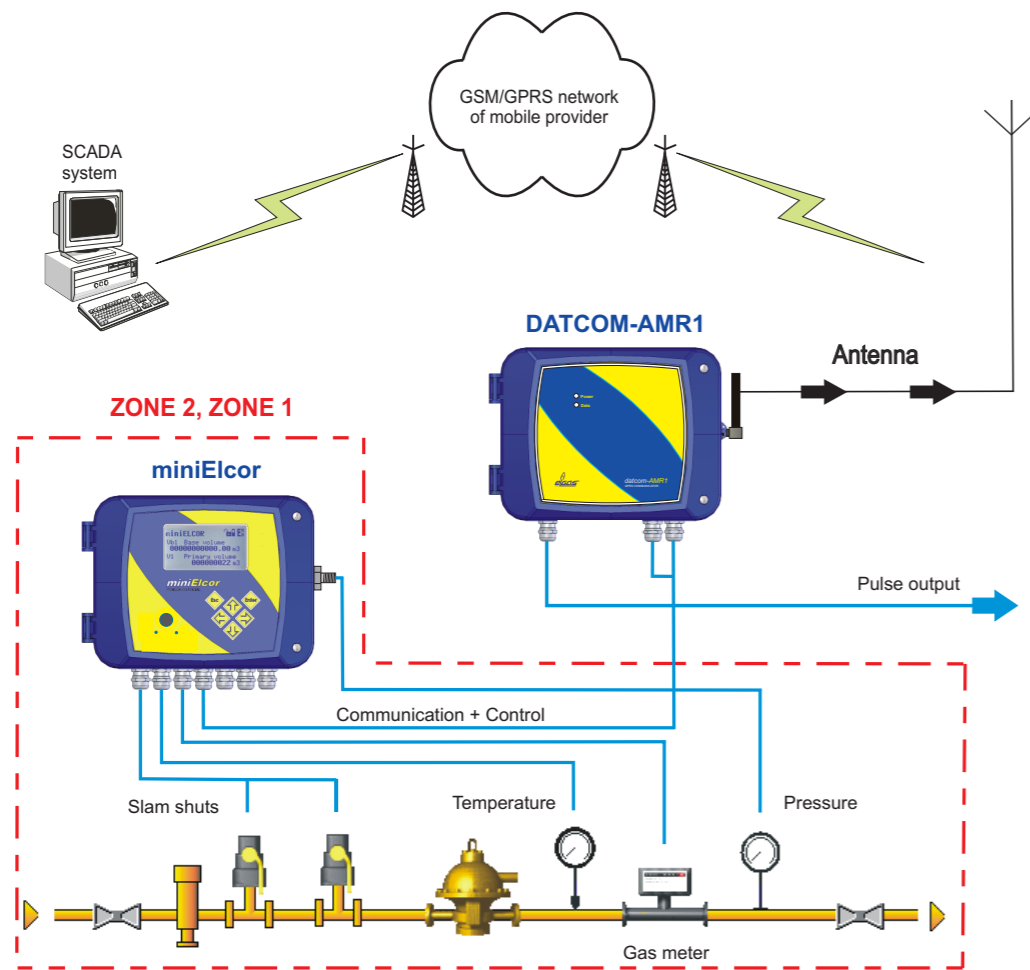
GPRS communicator DATCOM-AMR1 belongs to category of automatic meter reading devices. DATCOM-AMR1 device meets the customer's needs for data reading from the meters and following data transmission to the superior system. Device is constructed to be placed in non-hazardous (safety) area.

DATCOM-AMR1 automatic meter reading system is determined for remote data transfer from electronic volume corrector miniELCOR, ELCOR-2 and their alternative types. The equipment is placed in a resistant plastic box.

There is inbuilt GSM modem for communication with superior system in mobile networks. It works in CSD regime (dial connection) and also GPRS.

The device is powered from lithium battery. Thanks to using of the most modern components was the energy consumption minimized. Battery life depends on working regime. Typically it is a 5 years.

Example of application



Function

Communication

Correctors may be connected to the device using serial interface. Only correctors produced by ELGAS, s.r.o. company (miniElcor and ELCOR-2) may be used.

Digital output

Device is equipped with one digital output ensured by safety barrier. It makes possible to have a pulse output available from volume corrector in safety area.

Power supply

Datcom-AMR1 is power supplied by two lithium cells placed inside of the battery pack ensuring 5 years life time under defined operational conditions.

Software

All parametrization and controlling of the DATCOM-AMR1 is realized via connected volume corrector by the help of TELVES software.

Schematic diagram of the device

