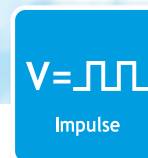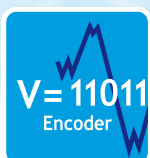# UNILOG 300

Wigersma & Sikkema

GSM /GPRS modem for UNIGAS
Data logger for gas meters

UNILOG 300 is a GSM /GPRS modem for UNIGAS with in addition an optional standalone data logger function. Signal inputs are equipped with an EX-barrier. This allows UNILOG 300 to be connected directly with devices like UNIGAS or a gas meter in a hazardous area. An internal antenna is standard equipment, connection with an (optional) external antenna is possible. UNILOG 300 is available in a battery powered version and a mains operated version.

Depending on its functionality the microprocessor processes functions like pulse counting, reading of an encoder, storage of data, communication via GSM/GPRS, scheduler (for battery powered version), activation of GSM/GPRS connection and preparing and transmitting logged data via FTP. UNILOG 300 meets the following specifications:

- Available as 2-Channel data logger, modem for UNIGAS or combination of both functionalities
- Suited for meter reading of encoder: Itron, GWF, Elster, Dresser, FMG, GFO, Aerzen
- Easy to install and ready for wall mounting
- Protection class IP65, may be placed outdoors
- ATEX approved, installation outside the EX-area
- EX earthing is not necessary due to intrinsic safe circuits
- Intrinsically safe circuits which enables connection to devices in the EX-area
- POSIX Clock
- Timer/ scheduler for GSM/GPRS module, day and month
- Remote reading via GSM data, GPRS TCP (pull) or FTP (push)
- Standard with internal antenna, external antenna optional
- Communication IEC 1107 (62056-21), mode C VDEW 2.0 protocol

V = 11011 Encoder | Easy installation | Long battery life | No earthing required | V = Impulse

In addition to the specifications, the following charasteristics capply:

Battery-powered version	Mains operated version
Battery life time more than 10 years (depending from the read out frequency and battery package)	Power supply 230 VAC or 12 VAC or 12 – 15 VDC
Two serial ports for 2 UNIGAS devices	One serial port for connection to UNIGAS
	Power supply for UNIGAS 300
	3 connectors for modules; pulse out (2 x 2) pulses, RS485, RS232
	Standard supplied with a local bus for maximum 4 x ISC 230B and 1 UNILOG 300 mains operated, maximum distance 50m
	Available with an optional back-up battery power supply

ISC 230B

Design of ISC 230B is specifically for meter set-up with UNIGAS 300. It combines the functionalities of intrinsically safe circuits for LF pulses & serial communication, and explosion safe external power supply for UNIGAS 300. ISC 230B is operated by 230 VAC, but can be supplied by 12 VAC or 12 – 15 VDC as well. Because of this, ISC 230B is ready for use with a solar system.

The following specifications and characteristics apply:
- Easy to install and ready for wall mounting
- Protection class IP65, may be placed outdoors
- ATEX approved, installation outside the EX-area
- EX earthing is not necessary due to intrinsic safe circuits
- Intrinsically safe circuits which enables connection to devices in the EX-area

Power supply 230 VAC or 12 VAC or 12 – 15 VDC
One serial port for connection to UNIGAS
Power supply for UNIGAS 300
3 connectors for modules; pulse out (2 x 2) pulses, RS485, RS232
Standard supplied with a local bus for maximum 4 x ISC 230B and 1 UNILOG 300 mains operated, maximum distance 50m

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