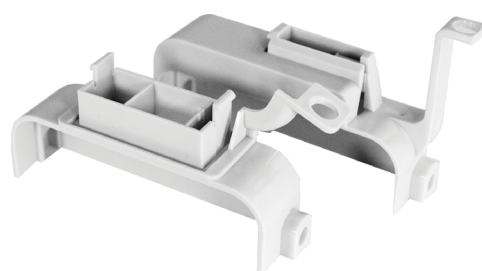**PLUM**

MacR6 GPRS Smart meter reader

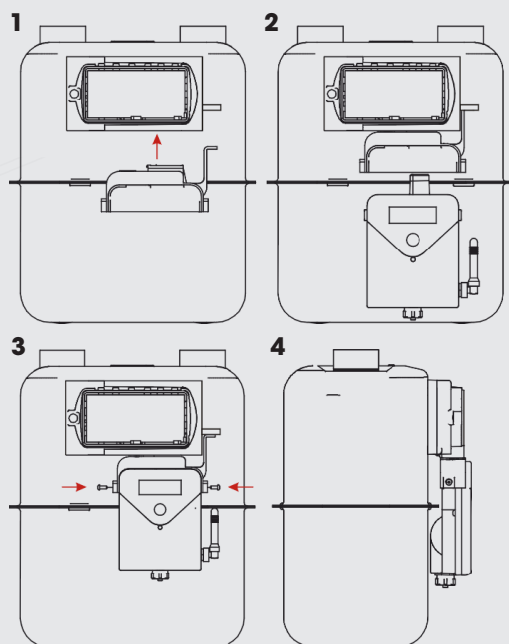### DataLogger with built in GPRS telemetry module

Dedicated adapters

MacR6 is advanced, battery powered gas flow DataLogger addressed to gas network administrators.

Safe, compact housing, universal connector offers compatibility of MacR6 DataLogger with all types of gas meters, highly effective TCP protocol, innovatory and intuitive mouting system are the main advantages of the MacR6 DataLogger.

Installation example

MacR6 distinguishing features

- TCP protocol allows transmission of data packets much larger compared to the
- traditional SMS protocol
- The open form of TCP protocol and GAZ-MODEM2 protocol allows operation with
- many types of IT solutions
- Electronic sensor monitors operation of the gas meter
- Universal adapter offers compatibility of MacR6 with gas meters like Elster (Kromschröder), Metrix.
- Pulse input for potential-free connection of any gas meter or volume corrector's pulse transmitter
- Prepared for energy indication in kWh
- Available configuration tools for Android smartphones and tablets with geolocation function
- Powered by replaceable batteries
- User-friendly Interface
- Fast, secure, intuitive device installation

Technical parameters

Supply	battery, replaceable lithium D type (R20) battery
Battery lifetime	up to 10 years
Reporting schedule	from 1 day up to 1 month
Transmission protocol	GAZ-MODEM2
Protection class	IP65
Antenna	internal or external
Connection	IEC 62056-21 optical interface
Certificate	ATEX
EX feature	Ex II 3G Ex ic IIA T3 Gc
Working temperatures	-30°C up to 60°C
Size	124mm x 85mm x 40mm

Accessories

OptoBTEx

Optical IEC 62056-21 transceiver with Bluetooth.

Data loggers configurator

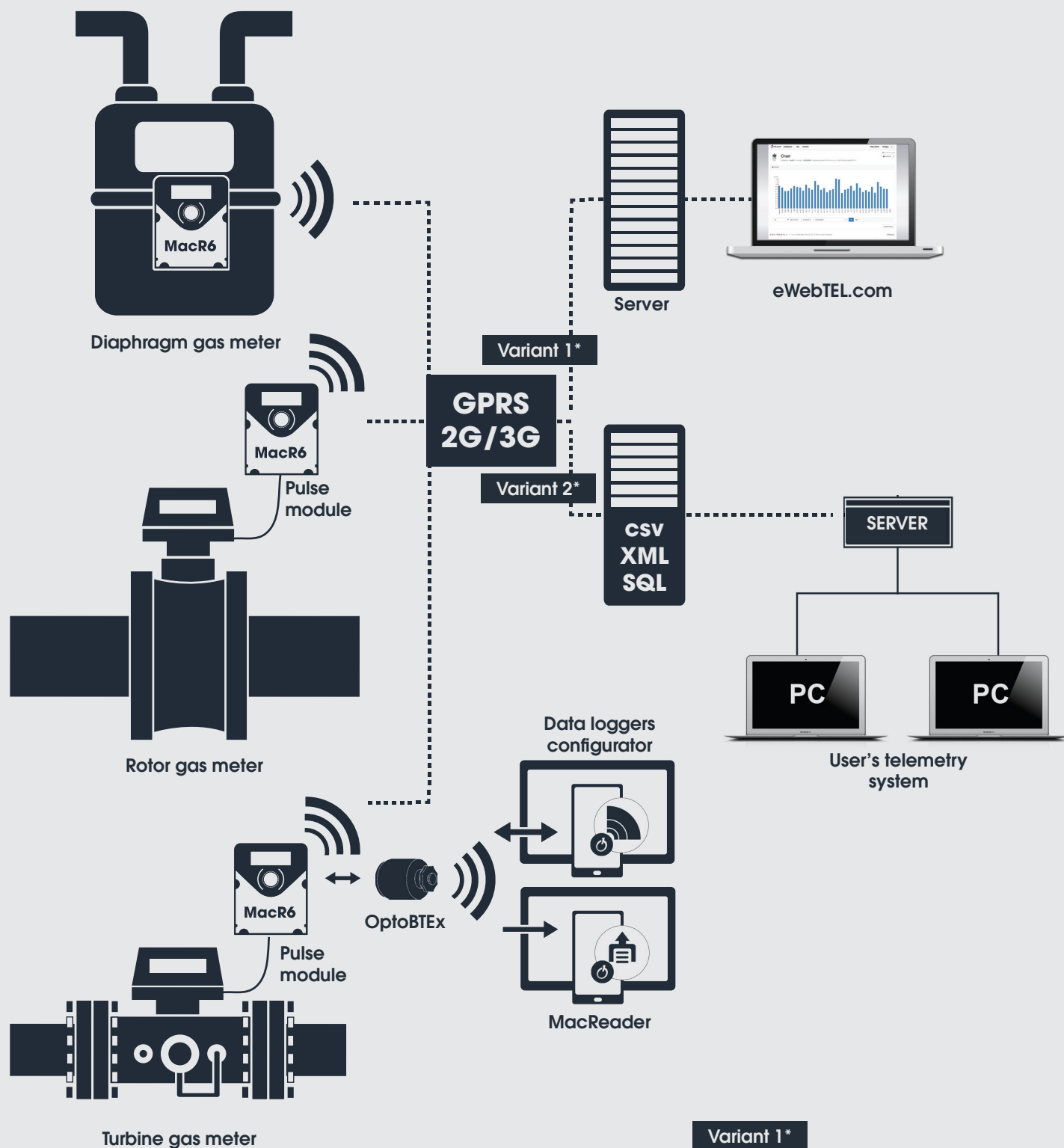Android application for smartphones / tablets. Available on Google Play store free of charge.

Google play

MacReader/MacReader +

Registrated data reader. Android application for smartphones / tablets. Available on Google Play store free of charge.

Google play

PLUM

Example of MacR6 in the system

MacR6

Diaphragm gas meter

MacR6

Pulse
module

Rotor gas meter

MacR6

Pulse
module

Turbine gas meter

Server

eWebTEL.com

Variant 1*

GPRS
2G/3G

Variant 2*

**CSV
XML
SQL**

SERVER

PC   PC

**User's telemetry
system**

**Data loggers
configurator**
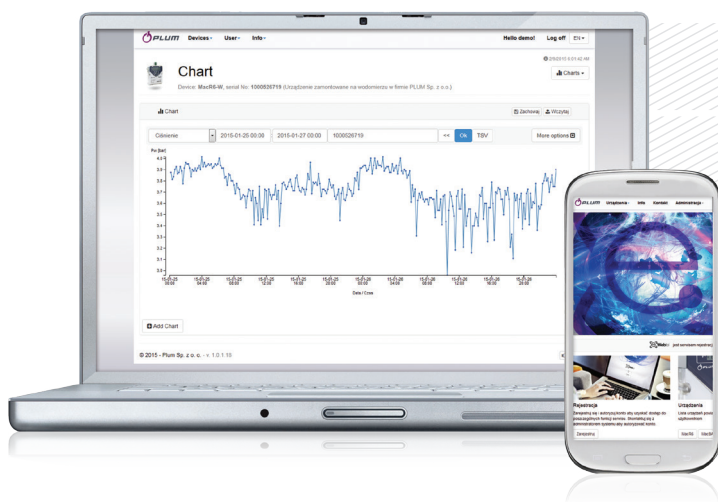
OptoBTEx

MacReader

Variant 1*

eWebTEL.com – Internet platform for measured data acquisition.

Variant 2*

Intranet tool which provides data synchronization between measuring
devices and user database.

eWebTEL

Internet platform for measured data acquisition

eWebTEL is measurement data aggregation platform, designed for comprehensive oversight of the monitored gas network. Allows graphical visualization of data sent from the volume correctors, manometers and data loggers, also shows geolocation of the devices. Allows you to view the history of recorded data and generate reports like:

- monthly gas consumption along with hourly peaks by each recipient or group of recipients
- the history of gas consumption by each recipient or group of recipients
- breakdowns, duration of breakdowns
- the history of the parameters describing the state of the gas network

eWebTEL advantages

- Allows you to optimize gas consumption readouts
- Allows control of the correct operation of the gas network
- Provides analysis of the correct selection of gas meters and ensure stable gas supply
- Facilitates management of the gas distribution network from anywhere in the world
- The ability to store data on the manufacturer's servers - no need to maintain IT infrastructure
- Provides access to view gas consumption data by customers
- Access to data regardless of the currently used telemetry systems

eWebTEL features

- The system based on web browsers (IE, Firefox, Chrome, etc.), also on mobile devices
- The data is saved on the server
- Ability to export data in CSV, TXT
- Allows to personalize and password protection for configuration parameters access.