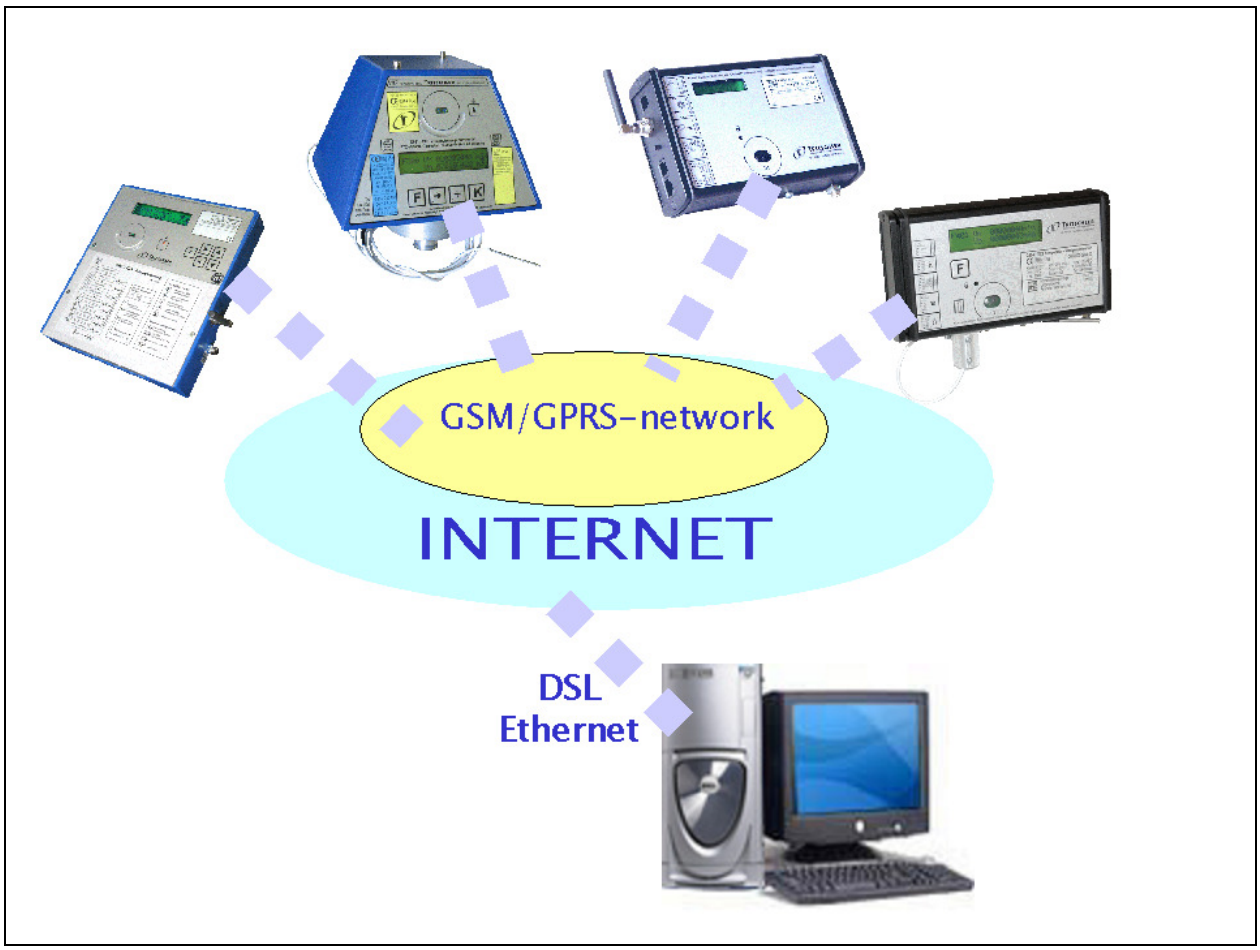
TRITSCHLER
Elektronik + Feingerätebau

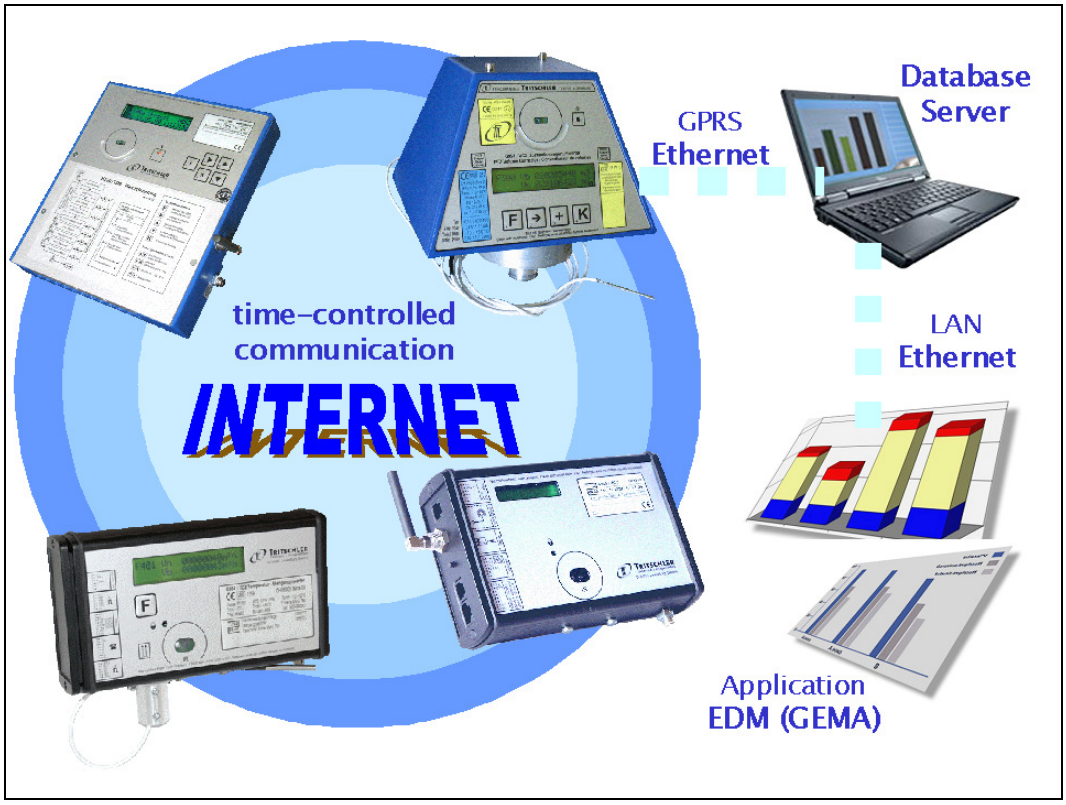
IP-based Data Transmission of Consumption Data from Data Storage Units and Quantity Transformers via Internet (Push-Mode)



Data communication via Internet

Data communication via the internet is a cost-effective and highly efficient possibility to transmit consumption data (which are not time-critical) to central EDM-systems.
Besides the operation mode “always online”, time-controlled data transmission (push-mode) becomes more and more important. For the first time it is possible to transfer data from stations and plants that are not connected to electricity or telephone networks. With data transmitted on a daily basis, operating times can extend over several years due to the small lithium battery pack (25 Ah). The system is completely independent thanks to a solar supply unit.

If the data storage unit communicates within a GPRS network, considerable value is added to the system in relation to the data transmission technologies commonly used:
- Determination of current counter load in intervals of 3 minutes
- Hourly transmission ensuring continuous collection of consumption data and for accounting purposes
- Permanent monitoring of circuits in customer plants



.

Installing the data server as receiving computer

Receiving data requires a computer which as a **Data Server**. Complex **FTP-servers are not suitable**, because they only receive data but do not provide access to terminals. The internet connection is established via LAN or DSL.

Computer software as data center “DaZen”
The most important functions of the **DaZen** software:
- Reception of data packages and check for BCC-errors and correct syntax
- Allocation of data to relevant measuring ports and acknowledgement of data towards the sending device
- Transmission of time data strings for synchronization
- Center for special tasks for transmitting data or commands

For devices suitable for IP-based communication. Please ask for more information.

G951 / VC3

Electronic State Quantity Transformer

Characteristics:

- MID-approval
- ATEX-approval for use in Ex-Zone 1
- Integrated sensors for pressure and temperature
- Controlled via pulses or encoder meter
- Calculation of compressibility according to SGERG88
- Battery operation (2 lithium cells) at least 5 years
- Data interfaces: TTL, CL(0) and optical (IR)
- 3 pressure ranges: 0.85-6 / 3.6-24 / 13.5-90 bar(abs)

K930 / TDS
4-Channel Data Storage Unit

Characteristics:

- Battery operation (1 lithium battery cell) at least 5 years
- Data log according to IEC1107
- 4 pulse inputs, 2 of which for encoder meters
- 4 programmable pulse outputs
- Optional internal modem: PSTN, ISDN, GSM, GPRS
- Memory depth 15 months (60 min. data)

K945 / MCO
Mini Data Storage Unit

Characteristics

- Memory depth 15 months (60 min. data)
- For potential-free switches, NAMUR and encoder meters
- Battery operation (1 lithium cell) at least 5 years
- Data log according to IEC1107
- Optional internal modem PSTN, ISDN, GSM, GPRS
- 2 programmable output pulses (quantity, time)

Some of our customers

Distribution partner Austria: **hammerer-system-messtechnik**
9020 Klagenfurt, Golgathaweg 1 Tel +43 463 502906
www.hammerer.cc mail: max@hammerer.cc

Distribution partner Switzerland: **Wohlgroth AG**
8603 Schwerzenbach Eschenstr. 8 Tel +41 44 8066010
www.wohlgroth.ch mail: info@wohlgroth.ch

Distribution partner Slovenia: **Solvera Lynx**
1000 Ljubljana, Tehnološki park 21 Tel +386 1 4012 860
www.solvera-lynx.com mail: industry@solvera-lynx.com

TRITSCHLER
Elektronik + Feingerätebau
Schönaustrasse 10+12 79725Laufenburg
Tel.: +49 7763 9388 0 Fax: +49 7763 9388 49
www.ftl.de mail: info@ftl.de