

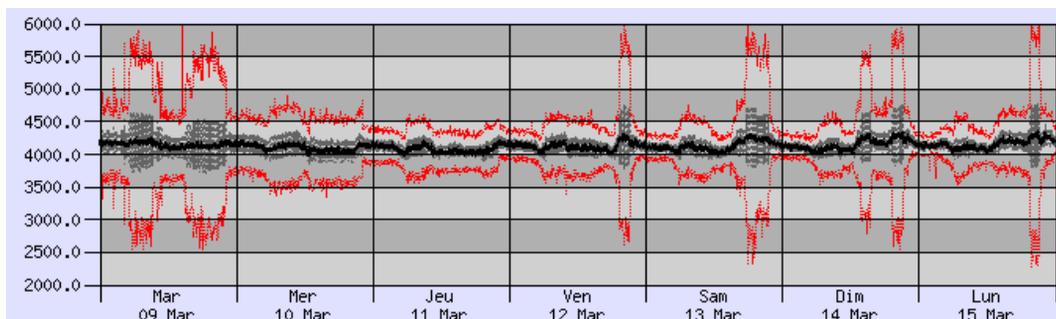


## TPL-211 : High speed pressure analyzer

### TPL-211: measures up to 200 times per second

Tetraedre has developed a device capable of analyzing at high sampling rate the behavior of water or natural gas networks. The TPL-211 (Tetraedre Pressure Logger) is an extension of the TRMC datalogger which offers a unique way to measure and transmit pressure, temperature and flow rate of the gas and water networks.

The TPL-211 has two pressure sensors as well as one temperature sensor and one pulse counting inputs (to measure the flow). The device constantly monitor the pressure, the temperature and flow of water or natural gas networks. It can be configured to measure up to 200 times per second on both channels.



*Pressure statistics*

### Advantages of TPL-211:

- ✓ Replaces the paper recorder
- ✓ High frequency measuring, anomaly detection
- ✓ Battery powered, low power consumption
- ✓ Remote transmission values
- ✓ Adaptable as per your need

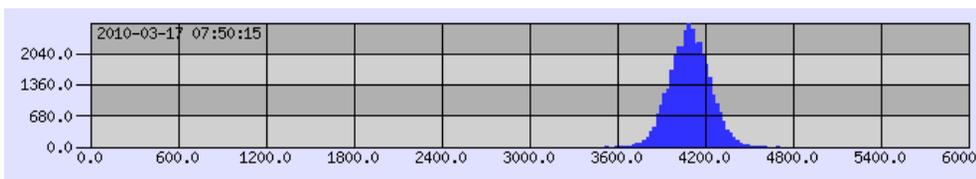


## Applications

- ✓ Water network monitoring
- ✓ Natural Gas network monitoring
- ✓ Network over-/under- pressure detection
- ✓ Network failure detection
- ✓ Water hammer detection
- ✓ Network optimization



TPL-211 connected to the TRMC



Pressure histogram

## How does it work ?

The measurements are processed in two manners :

- Time behavior of pressure is monitored and pressure curves can be stored when they pass predefined threshold values.
- Statistical values are also analyzed (min, max standard deviation, average, histogram) to provide accurate measurement to network operators.

By connecting the TPL-211 to Tetraedre's TRMC devices, you can benefit from the advanced features of the TRMC (datalogging, remote communication, SMS,...)

The device has extremely low power consumption and can operate with the TRMC's battery for long period of time.



TPL-211 has two pressure sensors inputs.

## TPL-211 adaptable according to your needs

The TPL-211 has a consequent advantage: it is flexible and programmable according to your needs. We are designers of these devices it means that we can adapt them at your convenience.

The TPL-211 replaces favorably paper recorders.