# Product Information

LANCIER Monitoring

**LANCIER Monitoring GmbH**
Gustav-Stresemann-Weg 11
48155 Münster, Germany
Tel. +49 (0) 251 674 999-0
Fax +49 (0) 251 674 999-99
mail@lancier-monitoring.de
www.lancier-monitoring.de

## District heating pipe network monitoring

## Product overview

The rising use of district heating constantly increases the requirements for an effective, affordable and comprehensive monitoring of the corresponding pipe network.

LANCIER Monitoring offers a wide range of district heating monitoring solutions.
Here is our overview of the key products.

| Technical data | *PipeAlarm2* | *PipeAlarm2 GSM* | *PipeMonitor NiCr* | *PipeMonitor Cu* | *PipeCheck* |
|---|---|---|---|---|---|
| **Product illustration** | | | | | |
| **Measurand** | Insulation and loop resistance in Ω | Insulation and loop resistance in Ω | Insulation and loop resistance in Ω | Insulation and loop resistance in Ω | Insulation and loop resistance in Ω |
| **Measuring channels** | 2 | 2 | 2 - 10 | 2 - 10 | 1 |
| **Numbers of pipes** | 2 | 2 | 2 - 10 | 2 - 10 | 1 |
| **Max. pipe length NiCr** | 750 / 1,500 m | 750 / 1,500 m | 750 / 1,500 m | ✗ | 2,500 m |
| **Max. pipe length Cu** | 3,000 m | 3,000 m | 4,000 m | 4,000 m | 4,000 m |
| **Fault location NiCr** | ✗ | ✗ | ✔ | ✗ | ✗ |
| **Pipe connection control** | ✔ | ✔ | ✔ | ✔ | ✔ |
| **Status / measured value display on site** | ✔ / ✔ (via Laptop) | ✔ / ✔ (via Laptop) | ✔ / ✔ | ✔ / ✔ | ✗ / ✔ |
| **Alarm output contacts** | 2 | ✗ | 4 - 20 | 4 - 20 | ✗ |
| **Modbus protocol (measurement forwarding)** | ✗ | ✗ | ✔ | ✔ | ✗ |
| **GSM Alarm (SMS)** | ✗ | ✔ | ✔* | ✔* | ✗ |
| **GPRS connection (online connection)** | ✗ | ✗ | ✔** | ✔** | ✗ |
| **Switching status reading** | ✗ | 2 | ✗ ** | ✗ ** | ✗ |
| **Power supply** | 110/230 V AC | Lithium battery | 110-230 V AC 24-60 V DC | 110-230 V AC 24-60 V DC | Li-Ion Akku 7,6 V DC |
| **Operation** | on site | on site | on site + remote | on site + remote | on site |
| **Modular expandability** | ✗ | ✗ | ✔ | ✔ | ✗ |

*) *Option* — All above listed stand-alone instruments may be integrated into the LANCIER UMS Server Software for remote controlling, measurement recording etc.

**) *Option* — Can be realised by optional modules.

08/2014 Technical changes reserved.