

# KRIWAN Pump Protection

INT69® YF Diagnose



# PUMP PROTECTION

## Everything under control



KRIWAN  
develops individual  
solutions for  
your needs

With the **INT69® YF Diagnose** pump protection unit, KRIWAN offers a reliable and user-friendly solution for the protection and monitoring of pumps and pump systems for a wide range of applications.

Malfunctions and the resulting damage to pumps and pump systems are often caused by increased motor or bearing temperatures, overvoltage and undervoltage or leaks in the system.

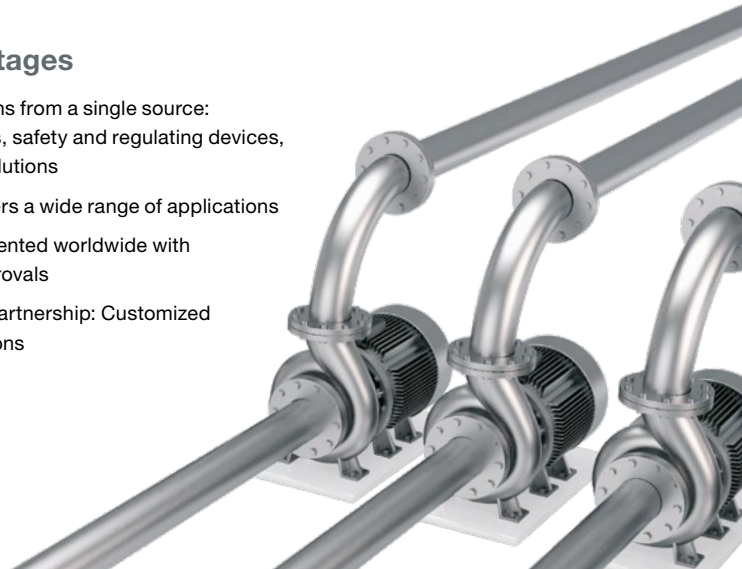
The INT69® YF Diagnose ensures a malfunction-free and safe operation of the pump system, can be completely integrated into networks, and thus supplies valuable data for Condition Monitoring.

### Applications

- Fresh water
- Waste water
- Cooling water
- Slurry
- Chemicals
- etc.

### Your advantages

- System solutions from a single source: sensor systems, safety and regulating devices, connectivity solutions
- The series covers a wide range of applications
- Can be implemented worldwide with respective approvals
- Development partnership: Customized product variations



# Pump Protection

## INT69® YF Diagnose

### All-in-One device

- 1x temperature: PTC, PT100, PT1000 or bimetal
- 2x bearing temperature: PTC, PT100 or PT1000
- 2x conductivity measurement (leak detection)
- Programming with the INTspector® App
- Precision to target value  $\pm 2,5\%$
- Error detection from 50 ms
- Monitoring of 1~ and 3~ networks
- Switching cabinet installation on profile rails
- Push-in terminals, quick and easy wiring

### Extended version

- Additional 4–20 mA input
- Additional relay for “Warning”



# KRIWAN CONNECTED 4.0

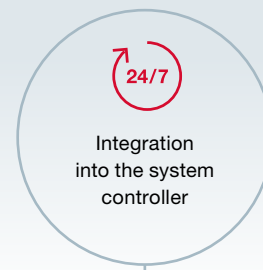
The intelligent KRIWAN Diagnose system is easy to implement, flexible scalable, and makes reliable and efficient system operation possible with Condition Monitoring.

KRIWAN Diagnose devices save machine and system data which can be viewed on-site with the **INTspector® App** or remotely with integration into a system controller. The **extended diagnosis error memory INTspection Memory** allows for detailed fault diagnosis.

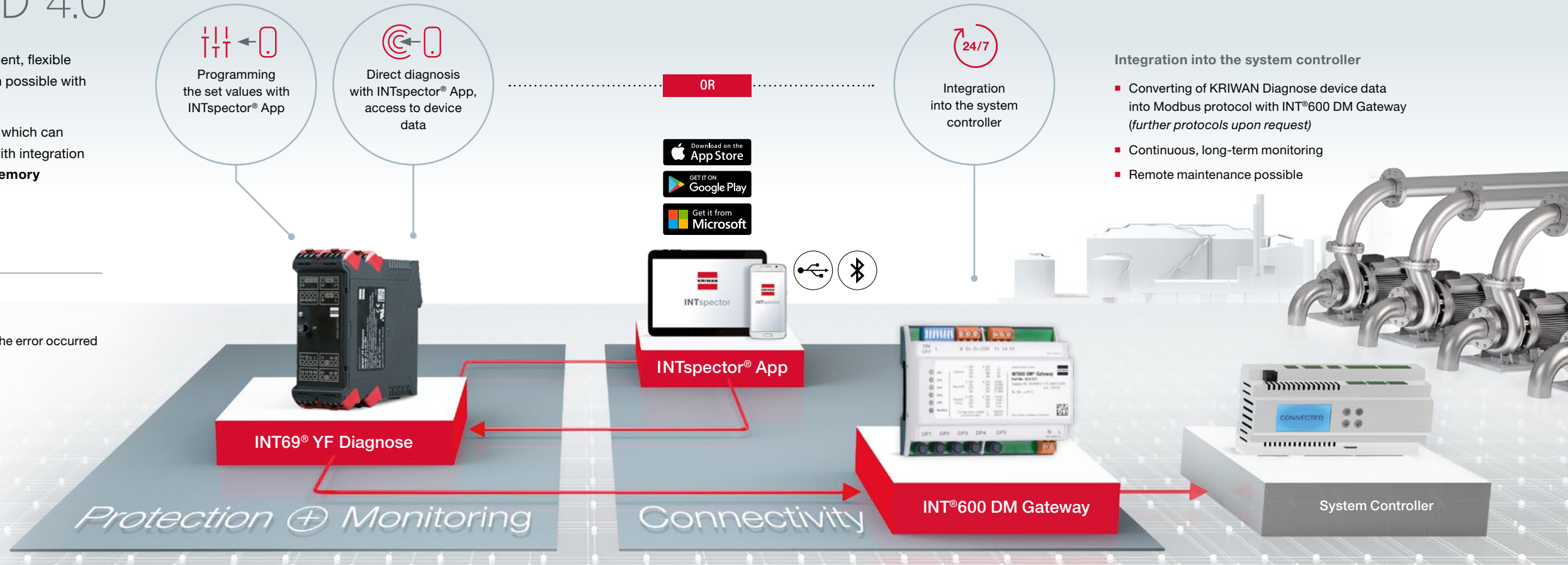
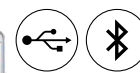


## INTspection Memory

- Access to device data and information
- Detailed history of error events
- Sensor data and development before and after the error occurred
- Trend development
- Error counter for all device errors



OR





## Integration into the system controller

- Converting of KRIWAN Diagnose device data into Modbus protocol with INT®600 DM Gateway (further protocols upon request)
- Continuous, long-term monitoring
- Remote maintenance possible

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