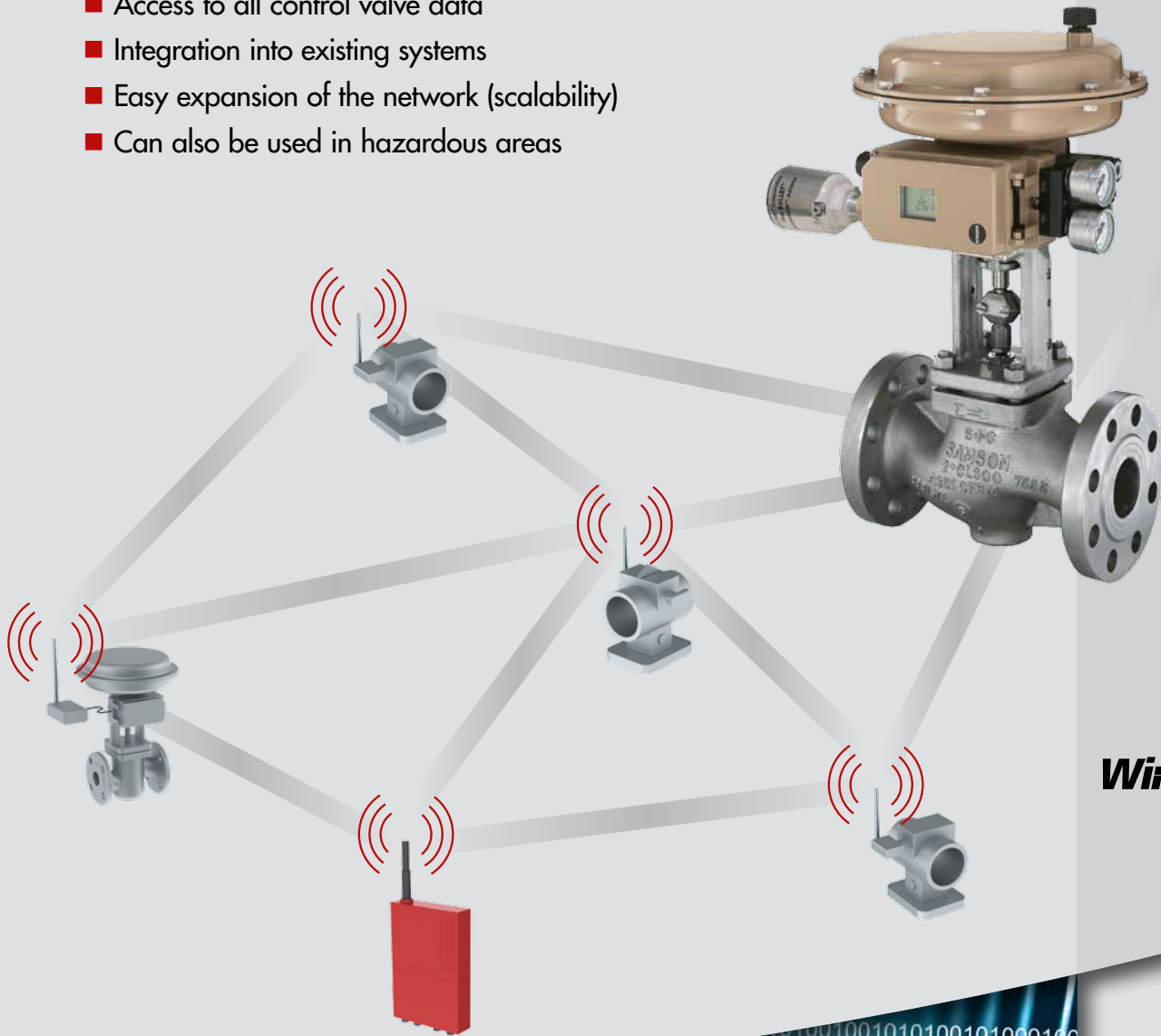


# WirelessHART®

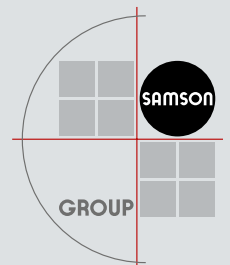
Types 3730-3, 3730-6 and 3731-3 Positioners  
in a WirelessHART® network



- Standard positioners
- Communication using a WirelessHART® adapter
- Access to all control valve data
- Integration into existing systems
- Easy expansion of the network (scalability)
- Can also be used in hazardous areas



WirelessHART™



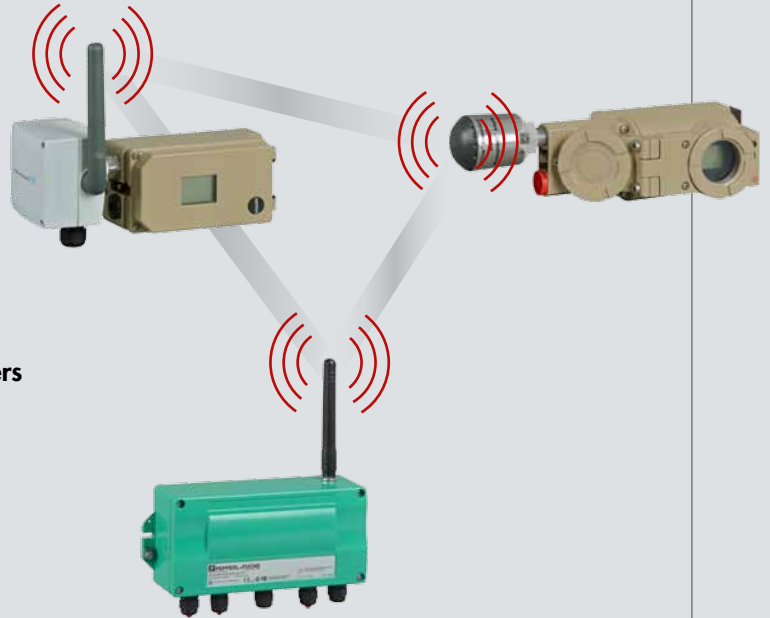
# Features

## WirelessHART® for plant operators

- Wireless interface according to IEEE 802.15.4-2006
- No interference with other wireless networks
- Up to 250 m open air range
- Dynamic network optimization and intelligent routing between units to bypass obstacles that obstruct the transmission path
- Gateways and adapters available from various suppliers

## WirelessHART® for the Series 3730 and 3731 Positioners

- Standard Types 3730-3 or -6 Positioners, without explosion protection or Ex i, also for Series 3731 with Ex d WirelessHART® adapter
- Adapter power supply using battery or looped using the installed 4 to 20 mA supply (recommended)
- Communication with the asset management system using EDD or FDT/DTM



## Applications for WirelessHART® and final control elements

- Existing system without HART® communication that requires communication with certain tag numbers:
  - Minimal intervention in wiring
  - No need to install multiplexers
- Parameter settings for special applications, e.g. partial stroke testing (PST)
- Assessment of device status and diagnostic data by reading the HART® status and dynamic variables:
  - Polling of flow rate measurements
  - Leakage sensor monitoring

Example of data transmission using the four dynamic HART® variables

Valve position	70.02 %
Supply pressure	4.01 bar
Differential pressure	3.03 bar
Flow rate	8.71 m <sup>3</sup> /h

