

# CombiSeries

Making temperature, pressure and conductivity measurement safe and convenient.



Another innovation from Baumer:

## The *CombiSeries* instruments facilitate safe and convenient process control

Today's machinery and systems are becoming more and more complex. Monitoring and controlling pressure, temperature and conductivity are three of the most important measuring tasks in the process industry. Baumer's goal is to simplify the increasingly complex production processes by introducing innovative sensors.

We have thus developed instruments with a display which are perfectly suited for your needs and enables you to react quickly, whether locally on site or in your control center.

Why spend time analyzing demanding processes instead of just having the display indicate when you need to take action?

To ensure safe and reliable operation, our *CombiSeries* is a modular system comprised of:

- *CombiView*® display
- *CombiPress*® pressure transmitter
- *CombiTemp*® temperature measurement system
- The new *CombiLyz*® conductivity and concentration measurement sensor
- Extremely robust and hygienic housings
- Different process connections

All instruments are also available without *CombiView*® display.

## Customized and user-friendly instruments for safe and convenient processes.

**Hygienic and robust** for your piece of mind

- Compliant to FDA, 3-A, EHEDG, EU 10/2011
- Robust compact housing IP69K
- Long lifetime

**User-friendly** for your convenience

- Big display with touch screen
- Three color backlight alert signaling
- Configurable text display

**Smart and Communicative** for easy integration

- 4 ... 20 mA current loop signaling
- HART (optional)
- Two relay outputs (optional)
- FDT/DTM interface

**Precise and reliable** for high quality production

- High accuracy
- High long-term stability
- Fast response time
- Configurable ranges

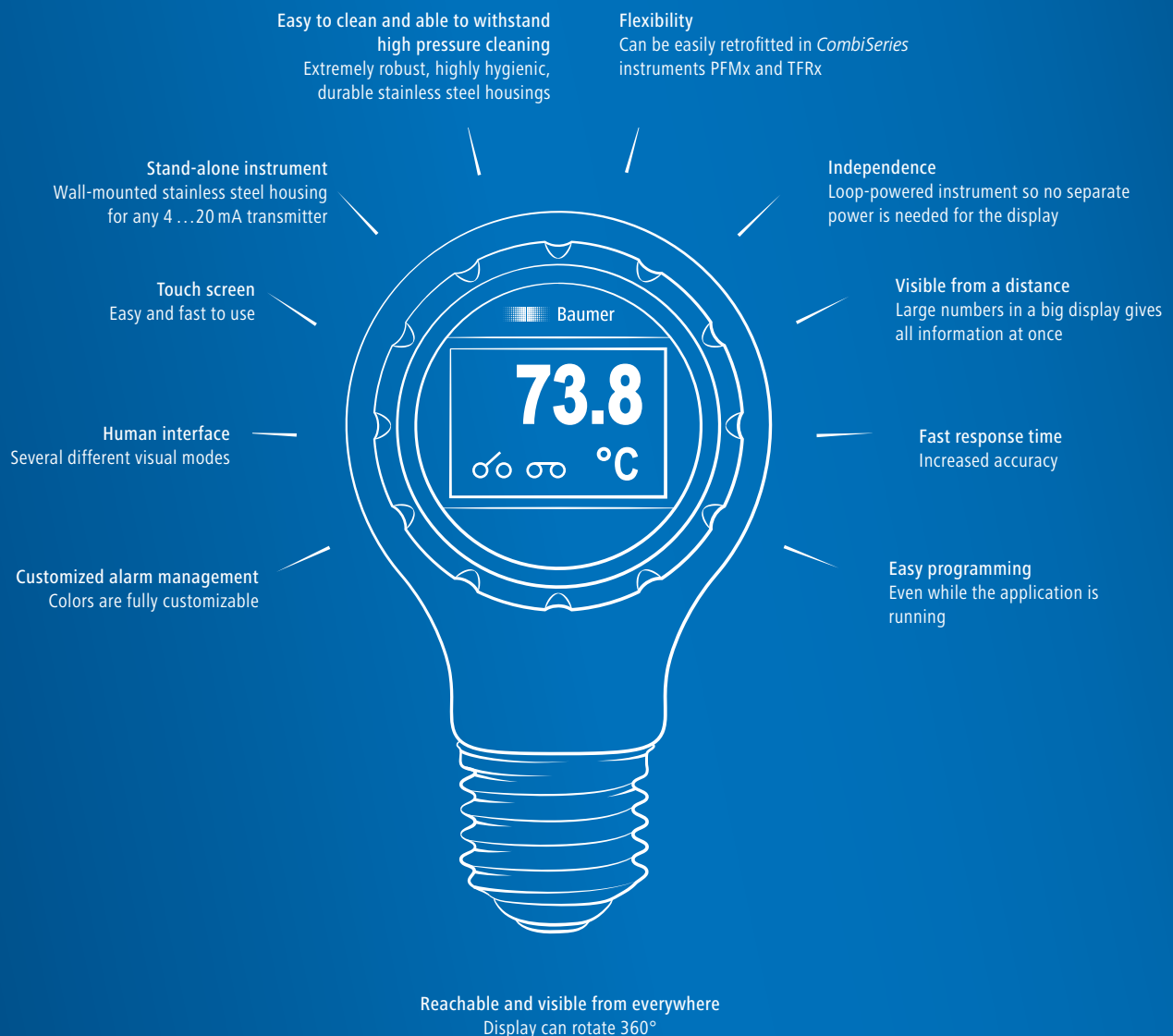
All instruments come factory set, but can also be programmed by the user depending on the requirements and needs.



# The *CombiView*<sup>®</sup> display

Process control and monitoring are becoming ever more complex and demanding. The *CombiView*<sup>®</sup> display is designed to ensure an efficient and safe process flow. The required information is available at a glance and easy to read even from a distance.

The visible solution: Fast, easy and safe *CombiView*<sup>®</sup>.



# Your personal alarm system



Red = take action



Green = ok

Why waste more than a second determining whether you need to take action?

Our *CombiView*<sup>®</sup> works like a traffic light. No detailed, time-consuming process analysis is necessary. The display provides a clear, eye-catching visual so you immediately know whether you need to take action or not.

# Be your own designer with the *CombiView*<sup>®</sup> display

First of all, you have the option to choose which *CombiSeries* instruments you want to come with a display and which you do not. The good news is that a display can always be easily retrofitted in the *CombiSeries* instrument if your needs change and you want to add a display later.

Furthermore, we have several different visual modes available for our *CombiView*<sup>®</sup> display (as shown on the right). You can choose the interface you like so the information is easy for you to read.

### Additional features include:

- Background color change and flashing
- Error/alarm indication
- Two relay outputs
- Warning message
- Touch screen programming
- FlexProgrammer configuration

You can even program the specific messages that you want to be displayed.

*CombiView*<sup>®</sup> is also available as a stand-alone display for all kinds of analog sensors.



Value (big/small)



Tank visual (tank/bottle)



Analog (with/without value)



Bar graph (vertical/horizontal)



Value (conductivity)



Media label (customer defined)



Display can rotate 360° (in both directions)



Connection can rotate 345° (bottom connection only)



## The extended *CombiSeries*

The success story of Baumer is characterized by tradition and innovation. By hardware and software engineers, designers or process engineers that see in each new situation an opportunity to discover and develop a new solution to innovate. The widely accepted *CombiSeries* including *CombiTemp*® and *CombiPress*® demonstrate Baumer's longtime competence in measurements instruments for pressure and temperature. With the new AF14 *CombiLyz*® Baumer extends this series now by a very sensitive and precise measurement sensor for conductivity. *CombiLyz*® sets on the proven housing of the *CombiSeries*, the flexible module system and the convenient *CombiView*®

display. It is primarily developed for precise analysis and differentiation of media in the food and pharmaceutical industries and in water treatment technology. In practice, the *CombyLyz*® is ideally suited for use in CIP and SIP processes, for monitoring concentrations in liquids, or for phase separation of different media.

With its new superior design it provides very precise measuring and quick response time and ensures low total cost of ownership.



# Easy customizing

All instruments of the *CombiSeries* can run on factory setting or programmed to specific customer needs by touch screen on the display or the DTM-based FlexProgrammer 9701. After downloading the FlexProgram software to your PC and connecting the PC to your instrument you can easily set up measuring range and

unit, damping, alarm values, relay setpoints, screen layout and much more. Regarding the conductivity transmitter temperature compensation curves for 4 different media are already stored in the device and by use of the FlexProgrammer you can create and store compensation curves for 4 additional medias.

## FDT frame application

Almost all Baumer instruments can be integrated in your FDT compatible frame application, like PACTware™. Baumer delivers an installation file for accessing all available DTM drivers. They offer you various functionalities like parameterization, monitoring and firmware upgrade.



If you do not own a frame license, you can also use the free downloadable Baumer Flex-Program which is easy to operate. Please refer also to the download area on our web page.