

CombiSeries™

Making temperature and pressure measurement
safe and convenient



Another innovation from Baumer:

The new *CombiSeries*[™] instruments facilitate safe and convenient process control

Today's machinery and systems are becoming more and more complex. Monitoring and controlling pressure and temperature are two 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 a display that is 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 new *CombiSeries*[™] is a modular system comprised of:

- *CombiView*[™] display
- *CombiPress*[™] and *CombiTemp*[®] instruments for measuring pressure or temperature
- extremely robust and hygienic housings
- different process connections

The new *CombiSeries*[™]

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

Convenience

- Measurement at a glance with relevant data quickly displayed
- Easy to clean and able to withstand high pressure cleaning

Safety

- High accuracy in measuring temperature or pressure
- High hygienic standards
- Robust single-molded housing for longer lifetime

Flexibility

- Display can be retroactively added to the instrument
- Extensive product portfolio with different process connections

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



Your personal alarm system



Red = take action



Green = ok

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

Our *CombiView*[™] 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*[™] 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*[™] 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
- Error/alarm indication
- Switch output
- Color change and flashing
- Warning message
- Two relays
- Programmable touch screen
- Configurable FlexProgrammer

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

CombiView[™] is also available as a stand-alone display for all kinds of analog sensors.



Value (big/small)



Bar graph (vertical/horizontal)



Analog (with/without value)



Tank visual (tank/bottle)



Display can rotate 360° (in both directions)



Connection can rotate 345° (bottom connection only)



CombiPress™ and CombiTemp® are user-friendly and safe measuring instruments

CombiPress™ and CombiTemp® are available with CombiView™ display or without.

Thanks to the modularity of our new CombiSeries™, we can meet specific customer needs and offer the right solution for your industry.

Both measuring systems feature robust housings with hygienic, high-end design and different types of connections (rear or bottom, industrial threaded, hygienic, electrical for your flanged, screwed glands or welded connections).



The CombiPress™ PFMx takes the pressure off you

- Measuring of pressure from -1 bar to 400 bar
- Span from 35 mbar (350 mm H₂O)
- IP67 or IP69K protection class
- 4...20 mA, 4...20 mA + HART®, 20...4 mA
- ATEX

The CombiPress™ PFMH is efficient for highly hygienic environments.



The CombiTemp® TFRx keeps you cool

- Measuring of temperatures from -50 to $+400$ °C
- Fast response tip available
- IP67 or IP69K protection class
- 4...20 mA, 4...20 mA + HART®, Profibus®
- ATEX

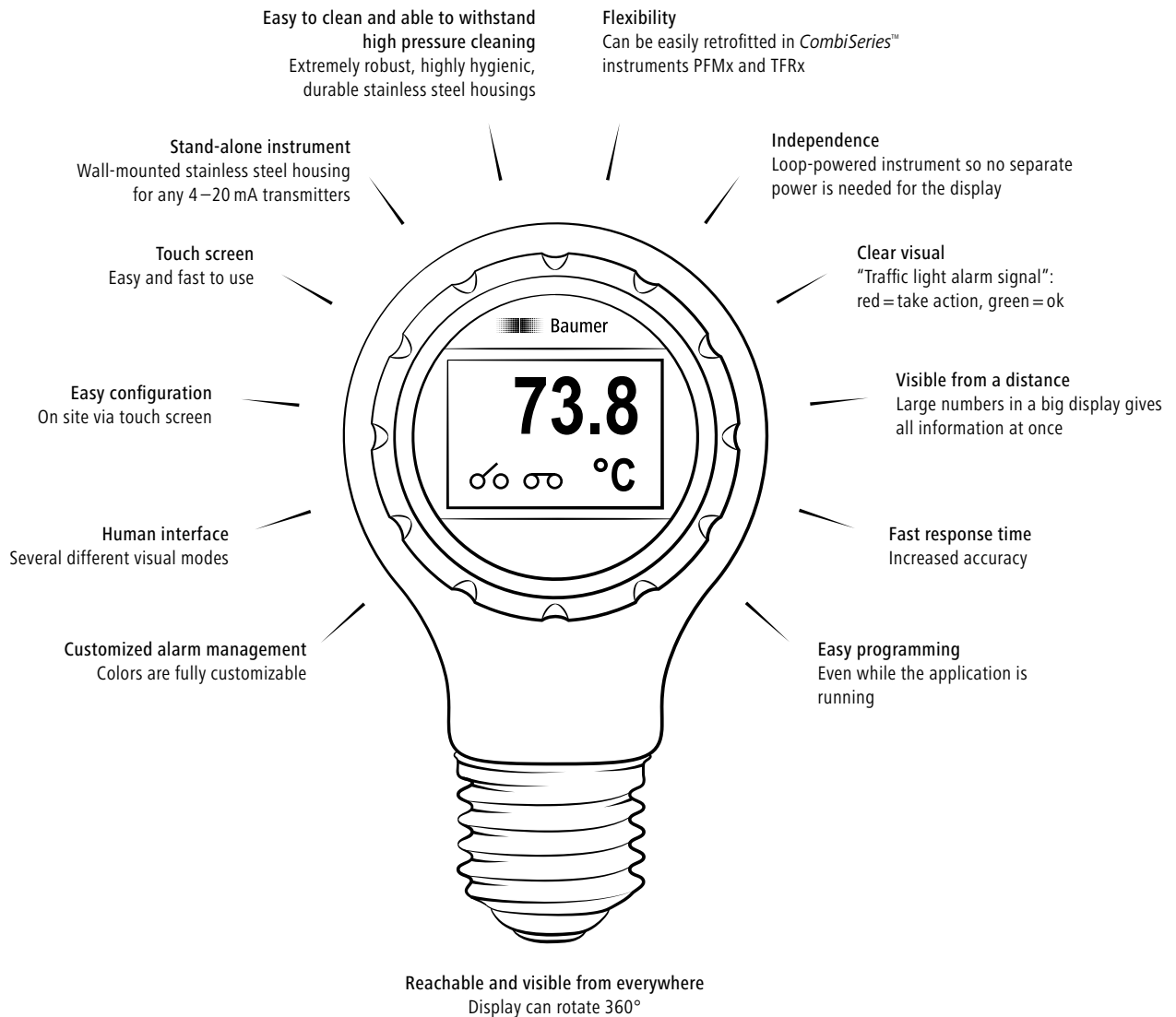
We recommend our CombiTemp® TFRH for highly hygienic environments.



The *CombiView*[™] display

Monitoring and controlling processes is becoming increasingly complex and demanding so we developed the *CombiView*[™] display to keep monitoring and display functions easy yet efficient. All the information you need is detected and displayed so you can see it at a glance even from a long distance.

The brilliant solution: The new *CombiView*[™] display is fast, easy and safe.



Baumer truly understands your needs and offers solutions to make process monitoring safer and more convenient.

Product overview of *CombiSeries*[™]



| <i>CombiPress</i> [™] | Measuring range | Process temp. | Output signal | Approval | Application area | Accuracy | Data sheet |
|--------------------------------|-----------------|---------------|--|-------------------------|------------------|------------|------------|
| PFMN | -1...400 bar | -40...200 °C | 4...20 mA, 20...4 mA, 4...20 mA HART [®] | ATEX | Industry | < ±0.1% FS | |
| PFMH | -1...68 bar | -40...200 °C | 4...20 mA, 20...4 mA, 4...20 mA + HART [®] | 3A, EHEDG, FDA, ATEX | Hygienic | < ±0.1% FS | |

| <i>CombiTemp</i> [®] | Measuring range | Process temp. | Output signal | Approval | Application area | Accuracy | Data sheet |
|-------------------------------|-----------------|---------------|--|-------------------------|------------------|-----------|------------|
| TFRN | -50...400 °C | -50...400 °C | 4...20 mA, 4...20mA + HART [®] , Profibus [®] | ATEX | Industry | < ±0.1 °C | |
| TFRH | -50...250 °C | -50...250 °C | 4...20 mA, 4...20mA + HART [®] , Profibus [®] | 3A, EHEDG, FDA, ATEX | Hygienic | < ±0.1 °C | |

| <i>CombiView</i> [™] | Measuring range | Approval | Application area | Accuracy | Data sheet |
|-------------------------------|-----------------|----------|--------------------|------------|------------|
| DFON | 4...20 mA | ATEX | Hygienic, Industry | < ±0.1% FS | |

For more information about our *CombiSeries*[™] visit www.baumer.com/CombiSeries or ask our experts.

Find your local partner: www.baumer.com/worldwide



Baumer Group
 International Sales
 P.O. Box · Hummelstrasse 17 · CH-8501 Frauenfeld
 Phone +41 (0)52 728 1122 · Fax +41 (0)52 728 1144
sales@baumer.com · www.baumer.com