

## E5\_N-H SERIES

Proven concept with process control features



» Fast and accurate

» **Versatile**

» Highly flexible

# Taking the N series to process control level

*Acknowledged as the best temperature controllers for general applications on the market today, the E5\_N series is now joined by the new E5\_N-H series, taking proven features to the process control level. The same menu structure ensures that installation and operation is just as easy. But accuracy, speed and process control features are improved. In short, the process specifications of the new E5\_N-H provide you with the flexibility that gives your application that special edge.*

## Process control features

The new E5\_N-H is based on our vast experience with advanced controllers like the E5\_K series. As a result, it offers all the proven features of the E5\_N series plus much more.



### More speed and accuracy

Providing better process control

- Input sampling 60 ms
- Input accuracy 0.1% PV
- Output resolution > 10,000



### More versatility

One unit covers all applications

- Universal input (Pt, t/c, mA, V)
- Replaceable output modules (Relay, Volt, Current, Pulse and SSR)



### More flexibility

For use in process applications

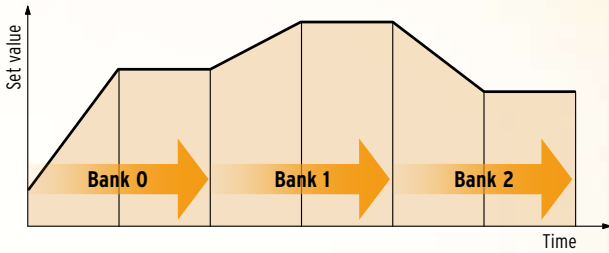
- Remote SP and transfer option
- IR programming port on the front
- Up to 4 digital event inputs
- Full 3 line, 5 digit display
- Banks, which can hold operation parameters like PID, alarm thresholds and setpoints



# Process control applications

## Time based process applications

Banks are used to create recipes. Next to PID and alarm settings, the banks can also hold soak times to create an SV program.



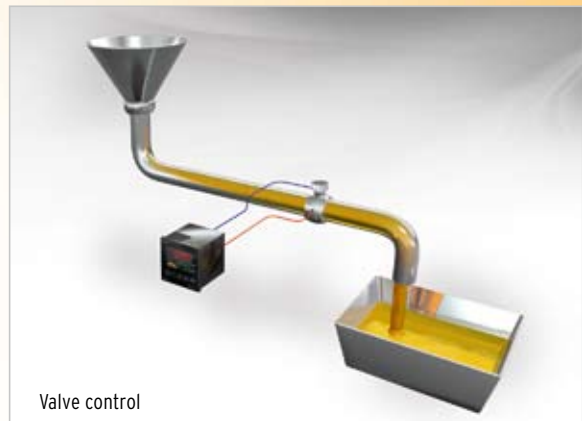
## Applications with a logic strategy

Like a PLC's ladder, the E5\_N-H has 8 logic registers to perform logic switching, optionally with switching delays. It is very useful with pumps, where a minimum ON time is required.



## Valve applications

Precise valve control is possible with or without potentiometer feedback. To connect differential pressure flow meters, square root extraction is possible on the input.



# Communications for process control

