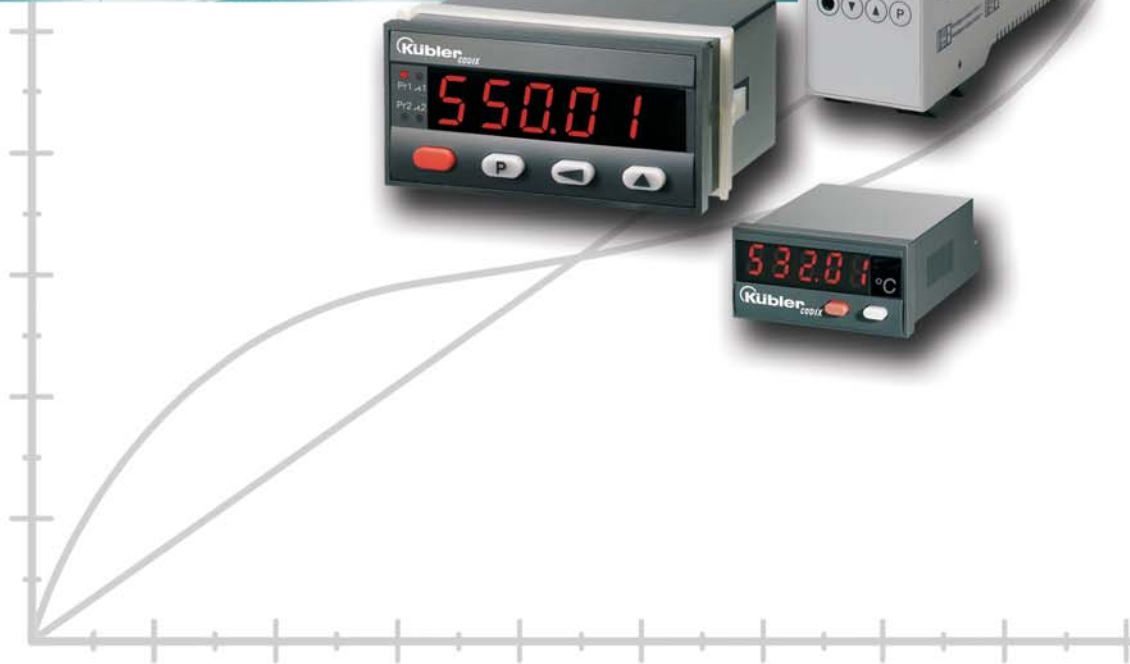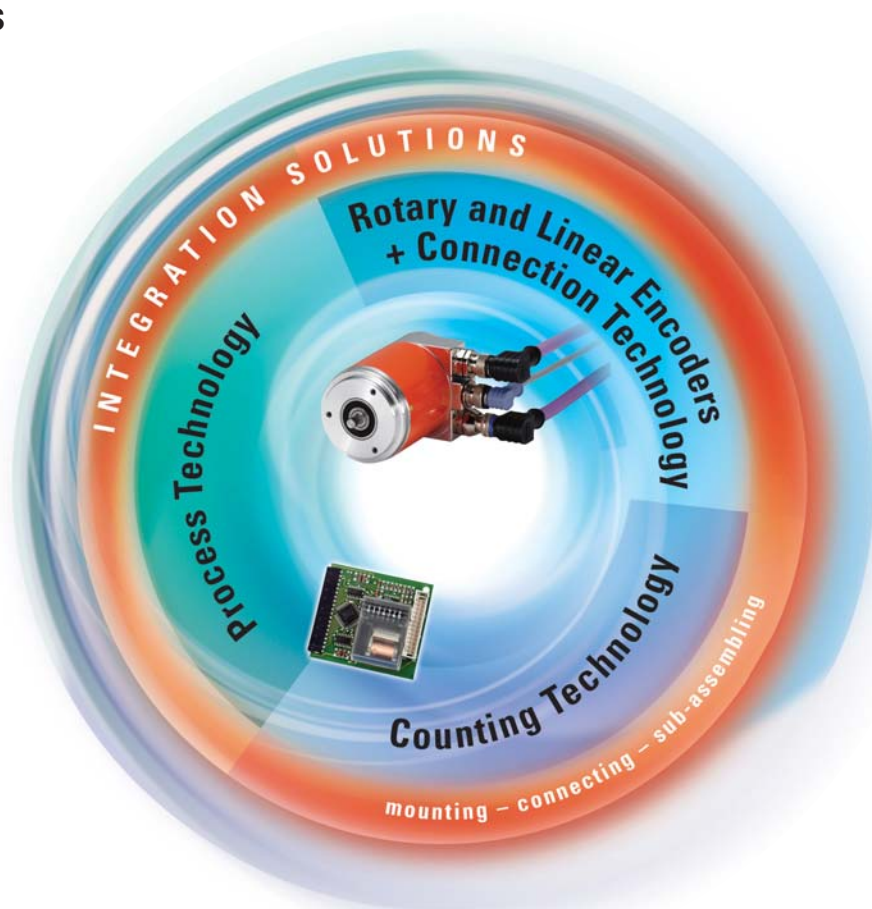# Kübler

Process Technology

- **Process displays**
- **Temperature displays**
- **Process and temperature controller**
- **Operating data display**
- **Accessories**

V
°F
mA
°C
bar

■ ■ ■ *pulses for automation*

Integrated Components
Off-the-Shelf Systems

Kübler's claim is clearly defined: the company delivers not only individual devices and components but also complete systems that the customers can integrate quickly and without any problems into his technical environment. This is why there is a wide choice of customized fixing solutions and suitable connector options for every product - and of course comprehensive and qualified advice.

INTEGRATION SOLUTIONS

Rotary and Linear Encoders + Connection Technology

Process Technology

Counting Technology

mounting – connecting – sub-assembling

Encoders, Linear Measuring Systems, + Connection Technology

Solutions based around incremental and absolute encoders, including singleturn, multiturn and fieldbus technologies, today form part of the wide range of services we offer. Our patented Integrative Technology® and Intelligent-Sensing-Technology® are setting new standards worldwide. The latest innovation in the field of linear measuring technology is the *LIMES* measuring system.

Counting Technology

A variety of high-quality electromagnetic counters are ideally suited as time/pulse counters or as miniature counters for PCB mounting in kWh meters. Modern preset counters with serial interfaces facilitate distributed control with reduced cycle times. The *CODIX* series sets new standards for functional, inexpensive electronic display counters, timers and rate indicators.

Process Technology

Our comprehensive *CODIX* series includes user-friendly competitively priced process displays and controllers for all linear and non-linear signals, either for panel mounting or for DIN-rail mounting.

Process and temperature displays

Process displays *CODIX*

Version	Process display	Process display with totaliser function	Process display	Process display with totaliser function
Series	*CODIX* 529	*CODIX* 530	*CODIX* 550	*CODIX* 552
Special features	compact, 5 digit display for analogue and temperature inputs, microprocessor based technology, galvanic isolation of the supply voltage, low cost. 14 bit resolution, programmable slope scaling for non-linear processes		Very bright, large display, large keys for easy programming even wearing gloves, auxiliary sensor supply output, IP 65 protection (front). Process control devices with programmable characteristic curve with 24 control points. Relay outputs.	

Technical data

	Process display *CODIX* 529	*CODIX* 530	*CODIX* 550	*CODIX* 552
Number of digits	5	5	5	5
MIN/MAX memory (EEPROM)	yes	–	yes	yes
Integration function scalable	–	yes	–	yes
Display/digit height [mm]	LED/8	LED/8	LED/14	LED/14
Dimensions [mm]	DIN 48 x 24	DIN 48 x 24	DIN 96 x 48	DIN 96 x 48
Panel cut-out [mm]	45 x 22	45 x 22	92 x 45	92 x 45
Inputs	0 ... 20 mA, 4 ... 20 mA 0 ... 10 V, 2 ... 10 V	0 ... 20 mA, 4 ... 20 mA 0 ... 10 V, 2 ... 10 V	0 ... 20 mA, 4 ... 20 mA 0 ... 10 V, 2 ... 10 V -10 ... +10 V	0 ... 20 mA, 4 ... 20 mA 0 ... 10 V, 2 ... 10 V -10 ... +10 V
Supply voltage [V DC]	10 ... 30	10 ... 30	10 ... 30 90 ... 260	10 ... 30 90 ... 260

Temperature displays *CODIX*

New –all Codix 550 ... 555 with serial interface and software EzControl

Version	Temperature display PT100 and Ni 100 *CODIX* 531	Temperature display J, K and N *CODIX* 532	Temperature display *CODIX* 551*	EzControl
Special features		Sensor break detection, external or internal cold junction compensation	Very bright, large display, large keys for easy programming even wearing gloves	• Easy parameter software *CODIX* 716/717 and process displays *CODIX* 55x. • Upload and download function • Monitor- and terminal programm • Online display for measurement values

Technical data

	CODIX 531	*CODIX* 532	*CODIX* 551*	EzControl
Number of digits	5	5	5	
Integration function scalable	–	yes	–	
MIN/MAX memory	yes	–	yes	
Display/Digit height [mm]	LED/8	LED/8	LED/14	
Dimensions [mm]	DIN 48 x 24	DIN 48 x 24	DIN 96 x 48	
Panel cut-out [mm]	45 x 22	45 x 22	92 x 45	
Inputs	PT100, Ni100	J, K and N Thermo-couples	–100 ... + 100 mV 0 ... 400 Ω, 0 ... 4000 Ω, PT100 , PT1000, Thermocouples	
Supply voltage [V DC] [V AC]	10 ... 30	10 ... 30	10 ... 30 90 ... 260	

*Programmable characteristic curve with 24 control points

CODIX-Series

–all Codix 550 ... 555 with serial interface and software EzControl

	Version	Process controller CODIX 553	Temperature controller CODIX 554	Process controller CODIX 555	Multifunction Signal conditioner/ Process controller 850/851
Special features	Series	Very bright, large display, large keys for easy programming even wearing gloves, auxiliary sensor supply output, IP 65 protection (front). Process control devices with programmable characteristic curve with 24 control points. Relay outputs with hysteresis function. Menu programming. CODIX 555 has additional totaliser function.			designed for DIN-rail mounting, supplied with programming software, RS 232 interface
Technical data					
Number of digits		5	5	5	5
Display/Digit height [mm]		LED/14	LED/14	LED/14	LCD/6
MIN/MAX memory		Yes	Yes	Yes	–
Dimensions [mm]		DIN 96 x 48	DIN 96 x 48	DIN 96 x 48	45 x 110 x 112
Panel cut-out [mm]		92 x 45	92 x 45	92 x 45	0 ... 1 V, 0 ... 10 V, –100 ... +100 mV, –10 ... +10 V
Inputs					
0 ... 20 mA, 4 ... 20 mA,		yes	–	yes	0 ... 20 mA, 4 ... 20 mA, –20 ... +20 mA
0 ... 10 V, 2 ... 10 V, –10 ... + 10 V		yes	–	yes	PT100, PT500PT1000, Ni100, 0 ... 4000 Ohm
–100 ... +100 mV		–	yes	–	
0 ... 400 Ω, 0 ... 4000 Ω, PT100/1000		–	yes	–	
Thermocouples		–	yes	–	yes
Supply voltage [V DC]		10 ... 30	10 ... 30	10 ... 30	18 ... 36
(galvanically isolated) [V AC]		90 ... 260	90 ... 260	90 ... 260	20 ... 28, 90 ... 253
Alarms/Outputs		2/Relay or Optocoupler-output	2/Relay or Optocoupler-output	2/Relay or Optocoupler-output	2 Relay, 250 V AC, 5A Analogue output 0 ... 20 mA, 4 ... 20 mA, 0 ... 10 V

Accessories

Enclosure

Transparent cover with key lock

Bezel adapter

Slip-on bezel

Software EzControl