Process displays

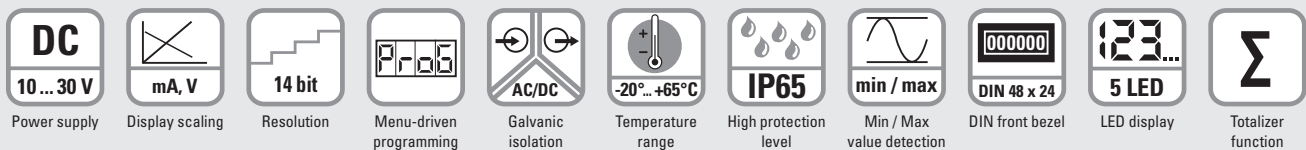| LED process displays	Standard signals with Min / Max value detection, totalizer	Codix 534

Cost-effective standard signal display for front panel mount with scalable bright 5-digit LED display.

The 14 bit resolution ensures an accurate measuring value display range with minimum and maximum value detection and scalable totalizer for time-controlled summation of the measured value.

DC 10 ... 30 V	**mA, V**	**14 bit**	**ProG**	**AC/DC**	**-20°... +65°C**	**IP65**	**min / max**	**DIN 48 x 24**	**123...** 5 LED	**Σ**
Power supply	Display scaling	Resolution	Menu-driven programming	Galvanic isolation	Temperature range	High protection level	Min / Max value detection	DIN front bezel	LED display	Totalizer function

Product features

- Input range:
  1 current measuring input, 1 voltage measuring input.
- Compact display for standard signals.
- Display range -19 999 ... 99 999 with leading zeros suppression and programmable decimal point.
- Modern industrial design.
- Fast measuring time of max. 0.1 second.

Benefits

- Galvanic isolation with protection against incorrect polarity.
- Autom. Min / Max value detection.
- Totalizer with programmable factor, divisor and decimal point.
- Freely programmable characteristic curve end points to adapt the desired display value.
- Input for display hold or reset input for Min / Max value and totalizer.

Order no.	
Display for analog signals with Min / Max value detection and totalizer	**6.534.012.300** [1)

Delivery specification
· Digital display
· Mounting clip
· Gasket
· Front bezel for screw mounting (T008181) 56 x 40 mm [2.20 x 1.57"], panel cut-out 50 x 25 mm [1.97 x 0.98"]
· Front bezel for clip mounting (T008180) 53 x 28 mm [2.09 x 1.10"], panel cut-out 50 x 25 mm [1.97 x 0.98"]
· 1 set of self-adhesive symbols
· Instruction manual, multilingual

1) Stock types.

Process displays

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Accessories	Dimensions in mm [inch]		Order no.
Adapter front bezel, 72 x 36 [2.83 x 1.42]	for cut-out 68 x 33 [2.68 x 1.30] to cut-out 45 x 22.2 [1.77 x 0.87], for counters 48 x 24 [1.89 x 0.94], as set	black and silver anodized	**162704 Set**
Adapter front bezel, 48 x 48 [1.89 x 1.89]	for cut-out 45 x 45 [1.77 x 1.77] to cut-out 45 x 22.2 [1.77 x 0.87], with clip mounting for counters 48 x 24 [1.89 x 0.94]	black	**T008883**
Adapter front bezel, 60 x 50 [2.36 x 1.97]	for cut-out 54 x 29 [2.13 x 1.14] to cut-out 45 x 22.2 [1.77 x 0.87], with screw mounting and gasket for counters 48 x 24 [1.89 x 0.94]	black	**N003001**
Transparent cover, lockable, IP65	for cut-out 54 x 29 [2.13 x 1.14], for screw mounting to front bezel F1B or adapter front bezel N003001, for counters with cut-out 50 x 25 [1.97 x 0.98] or 45 x 22.2 [1.77 x 0.87]		**N003002**
Sealing cover type K1, IP65	suitable for front bezel 60 x 50 [2.36 x 1.97], for screw mounting of electromech. counters and via adapter front bezel N003001 for counters 48 x 24 [1.89 x 0.94]		**G008301**
Mounting frame with cut-out 50 x 25 [2.36 x 1.97] via separate adapter also for 45 x 22.2 [1.77 x 0.87]	for snap-on mounting on 35 [1.38] top-hat DIN rail, for counters 53 x 28 [2.09 x 1.10] and via separate adapter (T008180) for counters 48 x 24 [1.89 x 0.94]	chromated	**G300004**

Suitable gaskets, other accessories and installation examples for optional accessories can be found in chapter accessories or in the accessories section under: www.kuebler.com/accessories.

Technical data

General technical data

Display	5 digits, red 7 segment LED display; 8 mm [0.32"] high
Measuring rate	10 or 2 measurements/second
Data backup	EEPROM
Operating temperature	-20°C ... +65°C [-4°F ... +149°F] (non-condensing)
Storage temperature	-25°C ... +70°C [-13°F ... +158°F]

Electrical characteristics

Power supply	10 ... 30 V DC, galvanically isolated with integrated reverse polarity protection
Current consumption	max. 50 mA
EMC standards	EN 55011 class B EN 61000-6-2, EN 61000-6-3 EN 61326-1
UL approval	file E128604

Mechanical characteristics

Housing	front panel mount 48 x 24 mm [1.89 x 0.94"] acc. to DIN 43700; RAL 7021, dark grey
Protection	IP65 (front side)
Weight	approx. 50 g [1.76 oz]
Vibration resistance acc. to EN 60068-2-6	10 ... 55 Hz / 1 mm [0.04"] / 30 min
Shock resistance acc. to EN 60068-2-27	100 G: 2 ms 10 G: 6 ms
Connections	screw terminal, pitch 5.08 mm [2"], 7 pin

Inputs

Input current measurement		0 ... 20 mA (display range -0.5 ... 20.5 mA, programmable) 4 ... 20 mA (display range 3.5 ... 20.5 mA, programmable)
	current limitation	50 mA
	voltage drop	max. 2 V DC
Input voltage measurement		0 ... 10 V (display range -0.5 ... 10.5 V, programmable) 2 ... 10 V (display range 1.5 ... 10.5 V, programmable)
	input resistance	approx. 1 MΩ
	max. input signal level	30 V DC
Control inputs	HIGH	4 ... 30 V DC
Latch/Reset	LOW	0 ... 2 V DC
Resolution		14 bit
Accuracy		< 0.1 % ± 1 digit for the whole measuring range at an operating temperature of 20°C [68°F]
Temperature drift		< 70 ppm/$K_{Ambient}$

Terminal assignment

1	2	3	4	5	6	7
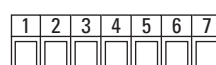
PIN	
1	10 ... 30 V DC
2	GND
3	GND
4	Latch
5	0 (4) ... 20 mA
6	Analog GND
7	0 (2) ... 10 V DC

Process displays

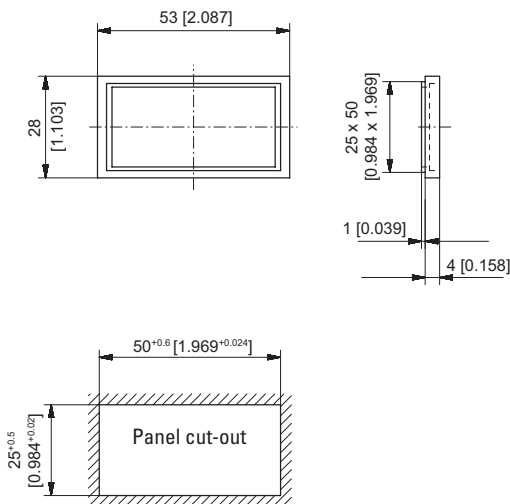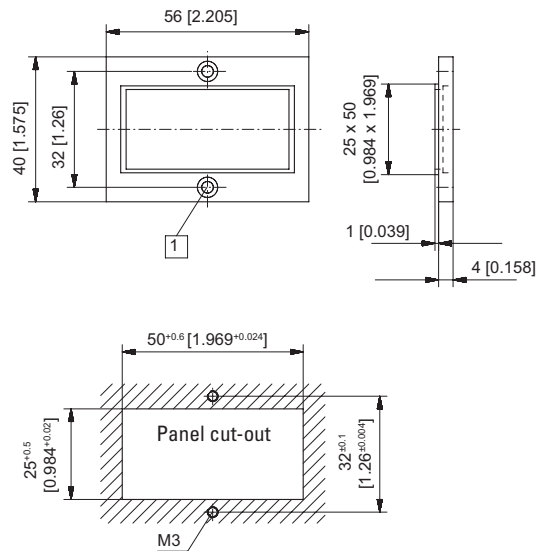| LED process displays	Standard signals with Min/Max value detection, totalizer	Codix 534

Dimensions

Dimensions in mm [inch]

48 [1.89]

24 [0.945]

22 x 45 [0.866 x 1.772]

max. 19.3 [0.76]

4 [0.15]

6.5 [0.256]

59 [2.323]

45⁺⁰·⁶ [1.772⁺⁰·⁰²⁴]

22.2⁺⁰·³ [0.874⁺⁰·⁰²]

Panel cut-out
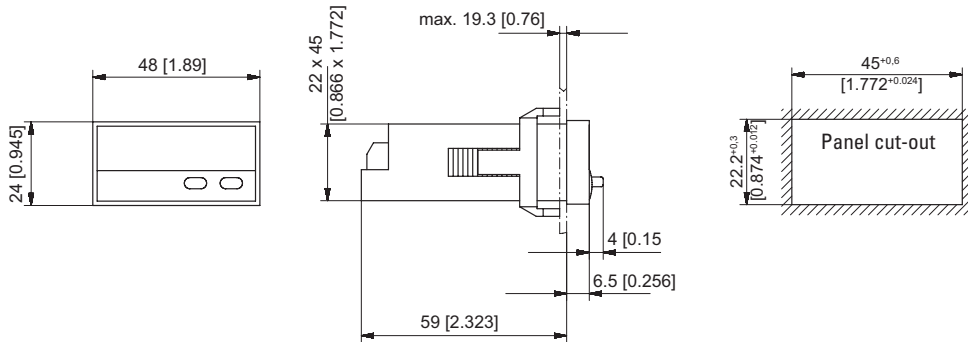
Front bezel for clip mounting (included in delivery)

53 [2.087]

28 [1.103]

25 x 50 [0.984 x 1.969]

1 [0.039]

4 [0.158]

50⁺⁰·⁶ [1.969⁺⁰·⁰²⁴]

25⁺⁰·⁵ [0.984⁺⁰·⁰²]

Panel cut-out

Front bezel for screw mounting (included in delivery)

56 [2.205]

40 [1.575]

32 [1.26]

1

25 x 50 [0.984 x 1.969]

1 [0.039]

4 [0.158]

50⁺⁰·⁶ [1.969⁺⁰·⁰²⁴]

25⁺⁰·⁵ [0.984⁺⁰·⁰²]

32±⁰·¹ [1.26±⁰·⁰⁴]

Panel cut-out

M3

1 Countersinking Af3, DIN 74