

Weighing transmitter

For control cabinets

Model FE230

WIKA data sheet FO 58.13

Applications

- Weighing applications
- Process control
- Dosing systems
- Tensile and pressure tests
- Tanks and silos

Special features

- Calibration with and without load
- Connection of up to 8 or 24 load cells
- Intelligent digital filter
- Programmable outputs
- Designed for installation in control cabinets



Weighing transmitter, model FE230

Description

The model FE230 weighing transmitter serves as a DIN-rail-mounted amplifier for sensors with mV/V output. The instrument is connected to the measuring instrument via cable. It is designed for use inside buildings or control cabinets.

Model FE230 is used in industrial applications that require fast and precise weight measurement. The weighing transmitter amplifies mV/V signals to analogue output signals.

Communication takes place via a programmable logic

controller (PLC) or a PC. The instrument also has a serial communication interface.

The display of the weighing transmitter provides continuous monitoring of the analogue output value and makes programming the instrument easier.

Specifications

Basic information	
Case material	Polyamide
Display	6-digit alphanumeric LED display
Display size	16 x 50 mm [0.63 x 1.97 in]
Functions	
Calibration	Calibration with and without load eCal High-accuracy electronic calibration without test load (instrument defect < 0.01 %) Fast calibration Automatic zero point and amplification calibration
Digital filtering	7-stage adjustable, intelligent and adaptive digital filter
Zero point	The zero point can be set via the zero button on the instrument or the optoisolated zeroing input (DC 12 ... 28 V optoisolated)
Set point	Three programmable set point outputs and one error output (DC 12 ... 28 V optoisolated)

Measuring element / Measurement principle / Sensor element	
Number of load cells	Up to 8 load cells 350 Ω or up to 24 load cells 1,100 Ω (min. 43 Ω)
Input signals	mV/V
Sensor connection	Terminal connection for a 4- or 6-wire load cell with cable cut to length

Accuracy specifications / Repeatability	
Accuracy	0.03 %
Influence of ambient temperature	< 0.005 % FSR / °C
Resolution	Up to 1,000,000,000

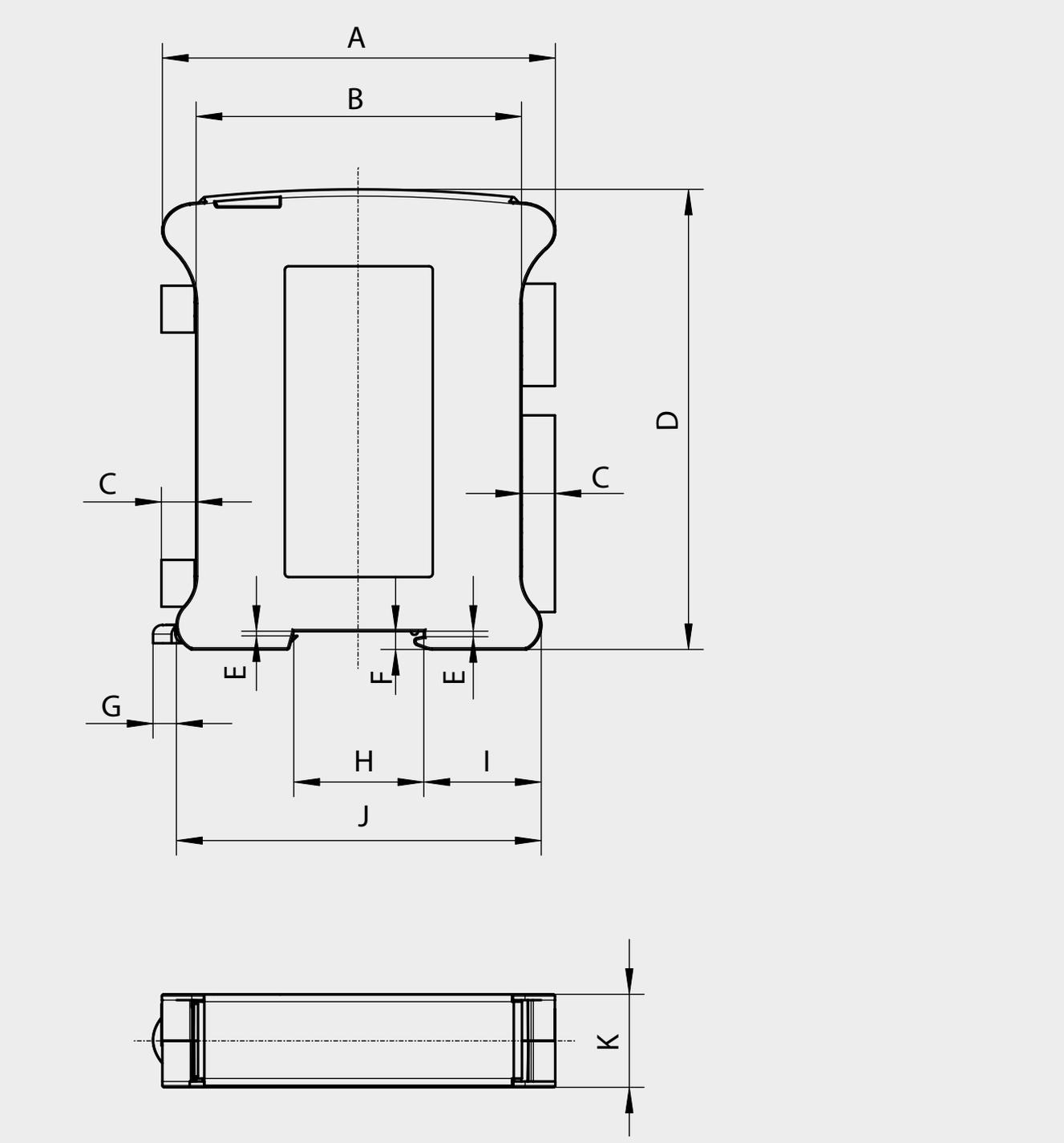
Voltage supply and performance data	
Auxiliary power	DC 10 ... 28 V, <1.5 W → Depends on the number of load cells connected
Current supply	Externally via the connection in the control cabinet
Connection type	Clamp connector

Operating conditions	
Operating temperature	-15 ... +55 °C [5 ... 131 °F]
Relative humidity, condensation	Max. 85 %, relative humidity (non-condensing)
Ingress protection	IP20

Approvals

Logo	Description	Region
	EU declaration of conformity	European Union
	EMC Directive EN 61326 emission (group 1, class A) and immunity (industrial environments)	
	RoHS directive	

Dimensions in mm [in]



Unit	A	B	C	D	E	F	G	H	I	J	K
mm	106	88	9.5	126	1	5	6.3	35	31.7	100	26.5
in	4.17	3.46	0.37	4.96	0.04	0.2	0.25	1.38	1.25	3.94	1.04

Ordering information

Model / Output signal

© 01/2026 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.

The specifications given in this document represent the state of the art at the time of publishing.

We reserve the right to make modifications to the specifications and materials.

In case of a different interpretation of the translated and the English data sheet, the English wording shall prevail.



WIKA Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany
Tel. +49 9372 132-0
info@wika.de
www.wika.de