

# Weight transmitter MiNexx<sup>®</sup> Link E

Robust and fast with a large number of interfaces



## ! Benefits

- Efficient weight transmitter with touchscreen display
- High-precision, fast processing and sharing of weight values together with control of up to three digital inputs/outputs
- Easy operation and fast installation via web browser
- Support of the most common field buses



Easy Set-Up



Easy Operation

*Thanks to the integrated display with touchscreen function, all information and settings are visible at all times and can be quickly found. The Link E can be easily configured via a standard web browser. The weighing application can be adjusted without weights via the SmartCal function. The wide range of interface options guarantees easy and direct integration into higher-level systems.*

## Your weight transmitter for fast and straightforward weight measurement

- ① All information at a glance with the high-contrast touch display. A large number of interfaces with compact dimensions makes this perfect for many types of weighing application.
- ① For simple control tasks, there are three digital inputs/outputs available.
- ① All settings can be quickly and easily implemented via a web browser. 'Smart Calibration' enables PC-based calibration, entirely without the need for weights. This keeps installation times to a minimum.
- ① Easy integration into automation systems using standardised field buses, such as ModBus-TCP, Profibus, ProfiNet, DeviceNet or Ethernet/IP.

The right solution for all of these applications:



Weighing



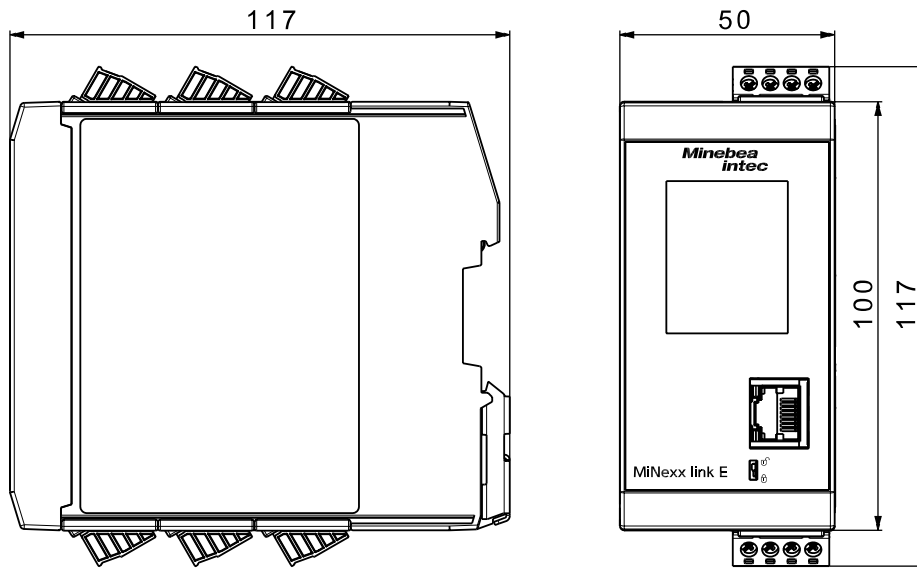
Fill quantity  
control

## Technical specifications

Weight transmitter PR5215	
Housing	Plug-in COMBICOM screw terminals for max. 2.5 mm <sup>2</sup> IP20 Installation on 35-mm top hat rail in accordance with DIN 46277
Dimensions	117 × 50 × 117 mm
Power supply	24 VDC +10/-15%
Power consumption	Max. 9 W
Display	1.77" TFT LCD, 30 × 37 mm
Control outputs	Quantity: 3, optocoupler isolated, passive, max. 30 VDC, max. 30 mA Function: limits, status, weight, etc.
Control inputs	Quantity: 3, optocoupler isolated, max. 30 VDC, max. 10 mA Function: zero, tare, etc.
Load cell connection	All strain gauge load cells; 6 or 4-wire connection is possible
Load cell supply	5 VDC (±2,5 VDC), short-circuit-proof
Load impedance	Min. 75 Ω, e.g. 4 load cells each with 350 Ω
Measuring principle	Measuring amplifier: Delta-Sigma converter Measurement time: min. 10 ms - max. 640 ms
Sensitivity	Smallest usable measurement signal 0.5 µV/d
Input signal	0 to 20 mV (for 100% maximum capacity)
Linearity	< 0.01%
Temperature effect	Zero point Tk0m < 0.01% / 10K @ 1mV/V Measuring range TKspan < ±4 ppm/K
Digital filter for load cell connection	4th order (low pass), Bessel, aperiodic or Butterworth
Ethernet interface	TCP/IP web service for configuration ModBus TCP IP address via DHCP or fixed input
Field bus	/01 and /11: Profibus-DP-V0, 9-pin D-Sub female /04: DeviceNet, 5-pin terminal /05: CC Link, 5-pin terminal /06: ProfiNet, RJ45 /07: Ethernet IP, RJ45 /08: EtherCAT, RJ45
Analogue output	0/4 ... 20 mA Resolution of 20,000 divisions at 20 mA Load impedance 500 Ω max. Function freely configurable
Serial interface	RS 485 Protocol: Remote displays for PR 5110, ModBus-RTU and SMA
Ambient temperature range	Operation: -10 ... +55°C (Power-on range from 0 °C) Storage: -40 ... +70°C
Packaging dimensions	210 × 140 × 65 mm
Weight	Net: 0.30 kg
Certificates	EN 61326, CE, ROHS, REACH

## Technical diagrams

### MiNexx® Link E (PR5215)



## Ordering information

### Weight transmitter MiNexx®Link E PR5215

Model	Description	Order number
PR5215/00	Basic	9405 152 15001
PR5215/01	Basic + Profibus-DP	9405 152 15011
PR5215/04	Basic + DeviceNet	9405 152 15041
PR5215/05	Basic + CC Link	9405 152 15051
PR5215/06	Basic + ProfiNet	9405 152 15061
PR5215/07	Basic + Ethernet/IP	9405 152 15071
PR5215/08	Basic + EtherCAT	9405 152 15081
PR5215/10	Basic + 1 x analogue output	9405 152 15101
PR5215/11	Basic + 1 x analogue output + Profibus-DP	9405 152 15111

The products and solutions presented in this data sheet make major contributions in the following sectors:



Food and beverages



Pharmaceutical



Chemical



Agribusiness



Cosmetics



Building materials



Machinery (OEM)

The technical data given serves as a product description only and should not be understood as guaranteed properties in the legal sense.

Specifications subject to change without notice.  
Rev. 09/2022

Minebea Intec GmbH  
Meiendorfer Straße 205 A  
22145 Hamburg, Germany  
Phone +49.40.67.960.303  
sales.hh@minebea-intec.com  
www.minebea-intec.com