

Weight transmitter MiNexx[®] 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

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.

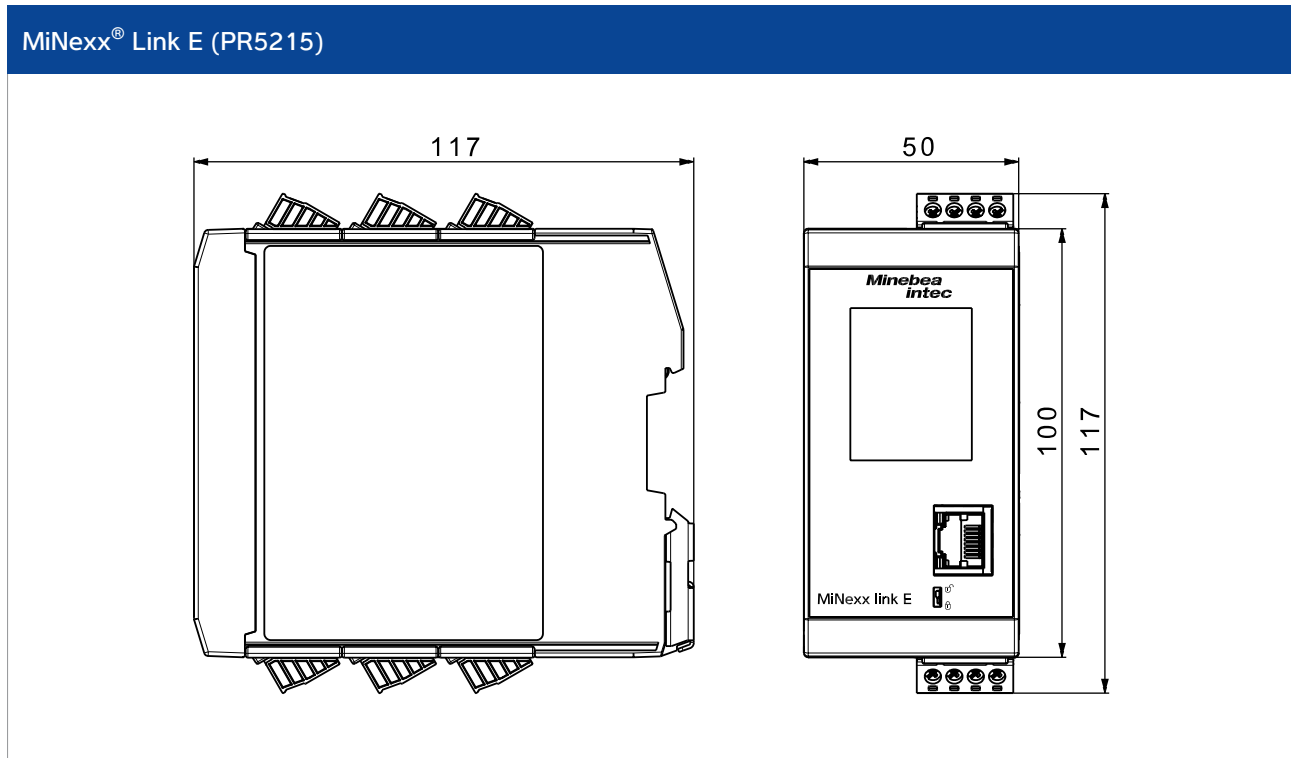
Your weight transmitter for fast and straightforward weight measurement

- 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.

Technical specifications

Weight transmitter PR5215	
Housing	Plug-in COMBICOM screw terminals for max. 2.5 mm ² 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 (optional, depending on type)	/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
Analogue output (optional, depending on type)	/10 and /11: 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



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
PR5215/10	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:



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.
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