

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.

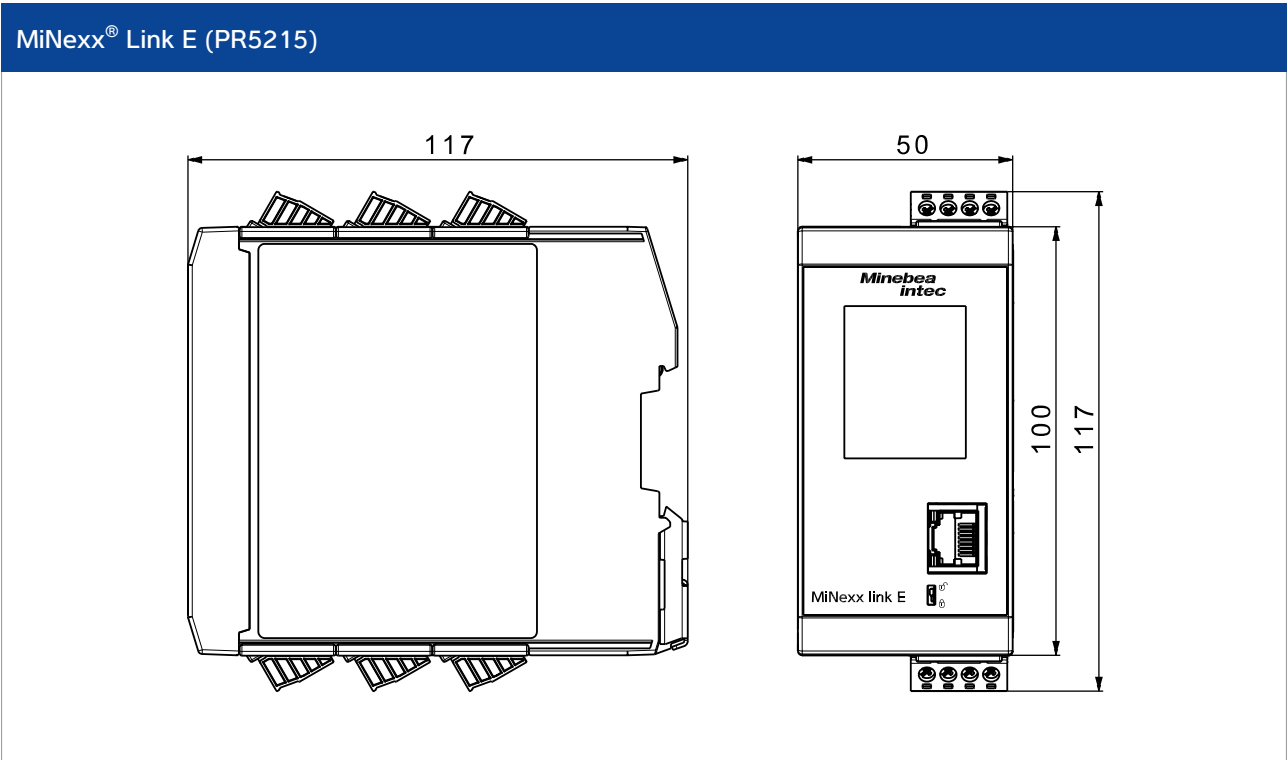
Your weight transmitter for fast and straightforward weight measurement

- 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 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 For simple control tasks, there are three digital inputs/outputs available.
- 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 x 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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