

# CONiQ Control COM

## Weighing controller for industrial scales

- Intuitive touch controls
- Web-based user interface
- Modular design
- Simple system integration
- Internal PLC acc. to IEC-61131-3
- Suitable for legal-for-trade according to EN 45501 / OIML R51 / NTEP



### Application

CONiQ Control COM is an innovative and versatile weighing controller for many industrial weighing applications and controlling processes. Winner of the reddot award 2019, the intuitive operating touch panel (according to ISO 9241) guides the user through the program directly on the device or also via web-based remote access. The internal PLC makes it possible to implement complex projects and user-specific visualizations on the controller.

### Modular design

- Configuration suitable for your application
- Functions determined by the software module used
- Three freely assignable slot holes for I/O expansion modules
- Colour-TFT touch display
- Connecting of other periphery via USB
- No re-verification necessary when replacing the main-board or I/O modules
- Fieldbus interface for simple system integration
- Different housing variants incl. stainless steel variants



### Award-winning user interface

- Intuitive operation
- Short learning time
- Plaintext error description
- Three definable user groups
- User-specific visualization possible

### Web-based user interface

- No App or software installation required
- Browser-based
- Easy service access
- Remote support possible
- TLS 1.3-based encryption

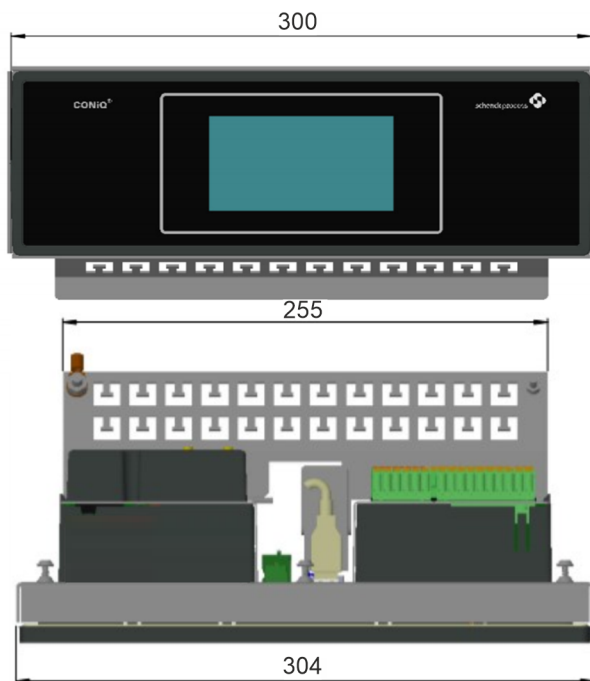
### Optional:

- WLAN for wireless service access
- Fieldbus card
- Programming package VBU6000 for the internal PLC

# General data

|  |  |
|--|--|
| <b>Display technology</b>                            | 4.3" color TFT with capacitive touch control   |
| <b>Display size (w x h)</b>                          | 95 x 53.7 mm   |
| <b>Power supply</b>                                  | 100 ... 240 VAC (-15 %, +10 %)<br>Alternatively: 24 VDC (-7 %, +12 %)<br>Overvoltage category II<br>Low-voltage side:<br>- PELV according to EN 60204-1<br>- Output power (via VBY60xx): 24 VDC, max. 300 mA             |
| <b>Power consumption</b>                             | Max. 30 W  |
| <b>Ambient temperature</b>                           | Operation: -30 ... 50 °C; relative humidity < 95 % non-condensing<br>Storage: -30 ... 80 °C; humidity: < 95 %  |
| <b>Installation height</b>                           | ≤ 2000 m; greater height with restrictions   |
| <b>Date/time</b>                                     | Real-time clock, running time reserve without voltage: min. 7 days   |
| <b>Serial interfaces</b>                             | 1x RS485 (2-wire) and 1x RS232   |
| <b>Office bus interfaces</b>                         | 2x USB (Master)<br>1x Ethernet (RJ45, 10/100BASE-T)  |
| <b>Options for fieldbus interfaces (alternative)</b> | Modbus-TCP<br>Modbus-RTU<br>PROFINET<br>PROFIBUS<br>DeviceNet<br>Ethernet/IP   |
| <b>Slots for input/output modules</b>                | 4 (one of which is standardly occupied for load cell interface with one or two channels)   |
| <b>Certifications</b>                                | CE, EAC, UKCA, UL (IECEX and ATEX in preparation)<br>EU verification approval as NAWI according to EN 45501<br>EU verification approval as SWE according to OIML R51 / MID<br>US verification approval according to NTEP |

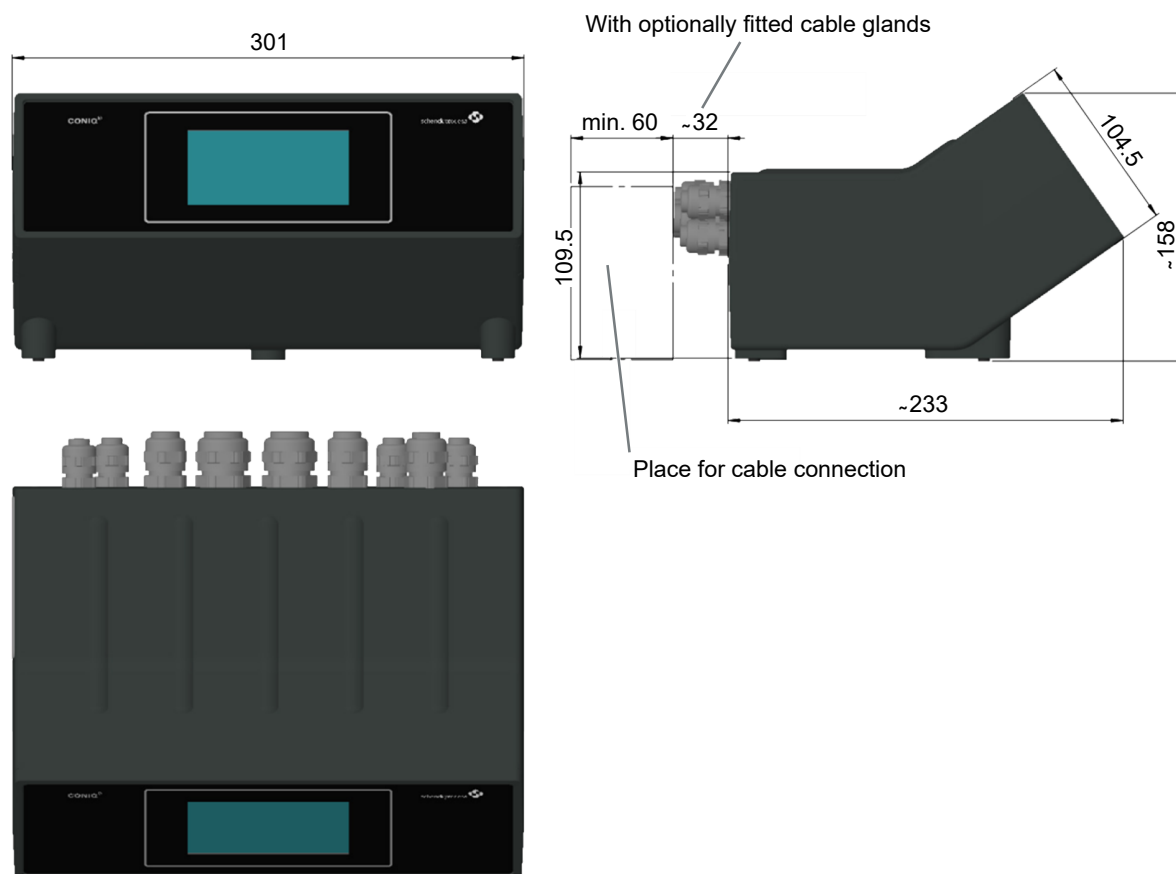
## Board panel mount unit



All dimensions in [mm]

|                                 |   |
|---------------------------------|---|
| Operating panel cut-out (W x H) | 282 <sup>+0.5</sup> x 88 <sup>+0.5</sup> mm |
| Type of protection              | Front: IP65<br>Back: IP20                   |
| Weight                          | 1.4 kg                                      |

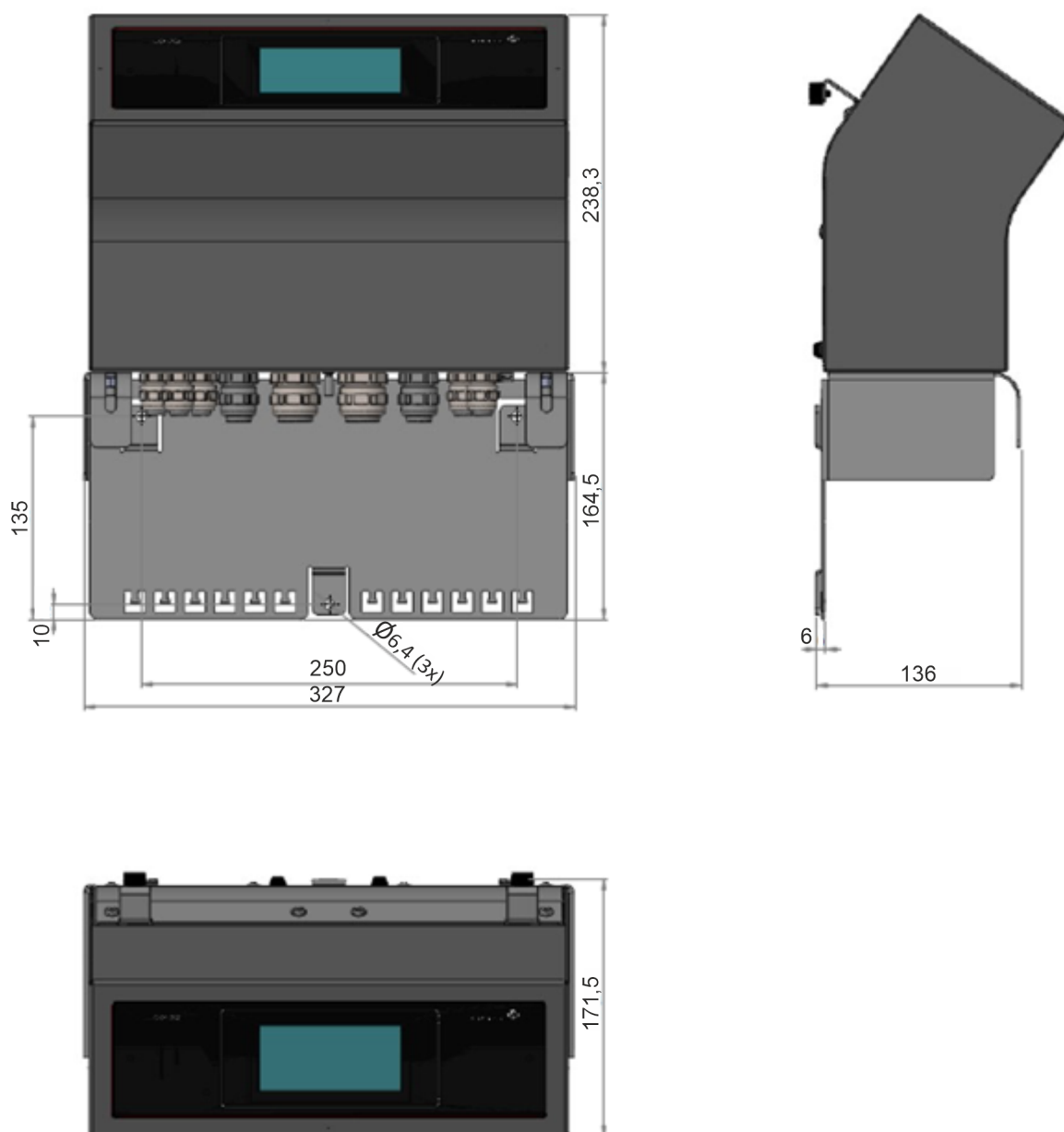
## Desk-top and wall-mounted unit in the plastic housing



All dimensions in [mm]

|                    |   |
|--------------------|---|
| Type of protection | With membrane cable inlets: IP54<br>With plastic cable inlets: IP65 |
| Weight             | 2.3 kg  |

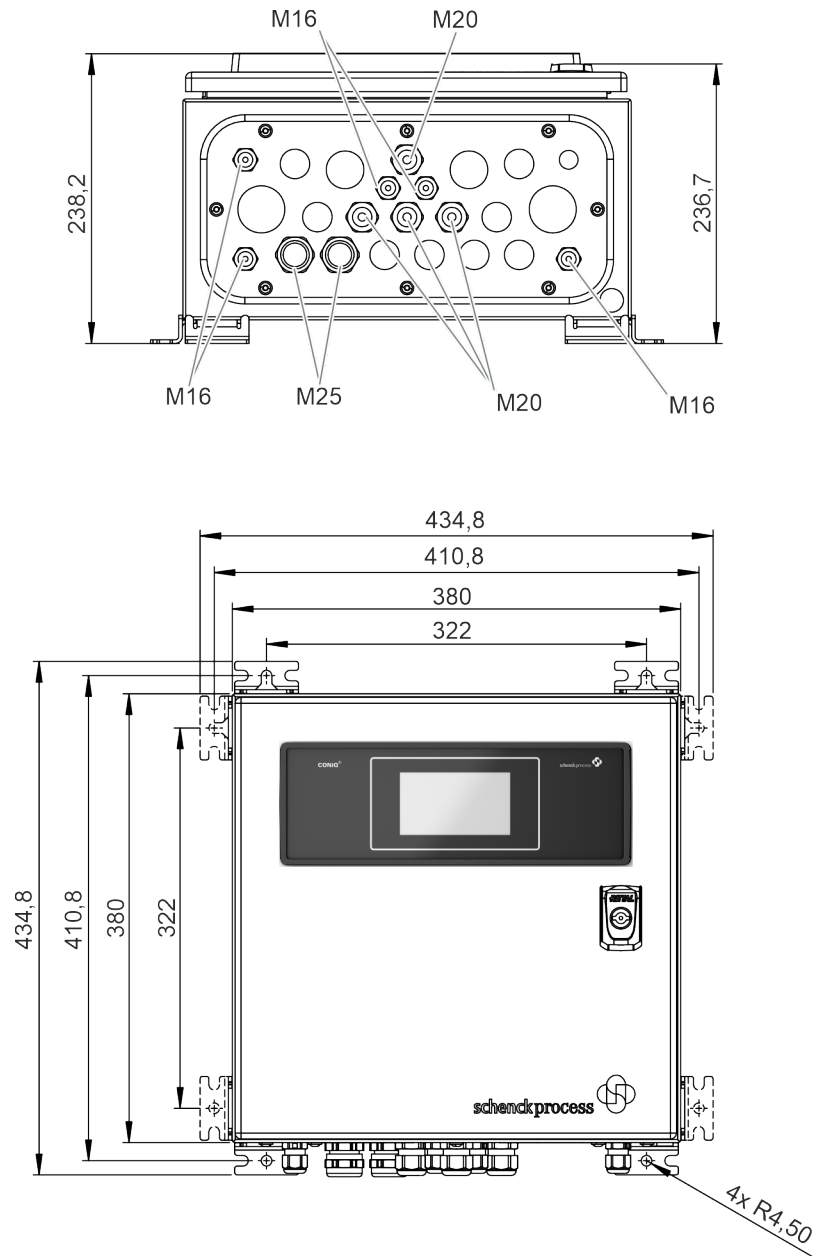
## Desk and wall unit in the stainless steel housing



All dimensions in [mm]

|                    |        |
|--------------------|--------|
| Type of protection | IP65   |
| Weight             | 5.3 kg |

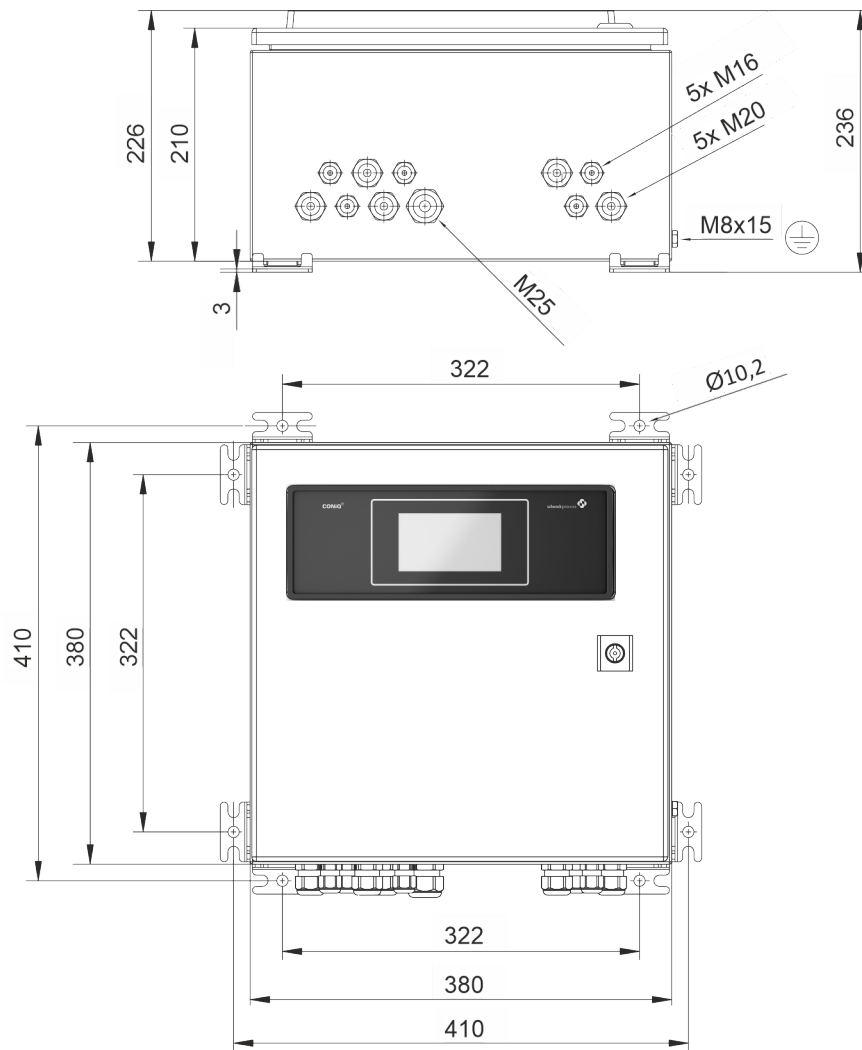
## Powder-coated normal steel housing VWE 6000



All dimensions in [mm]

|                     |   |
|---------------------|---|
| Type                | VWE 6000  |
| Dimensions          | See drawing   |
| Ambient temperature | Operation: -30 ... 50 °C<br>Storage: -30 ... 80 °C<br>Protect against direct sunshine |
| Type of protection  | IP65  |
| Cable inlets        | Standard: plastic; option: brass  |
| Other data          | See data about build-in unit  |

## Stainless steel housing VWE 6000-SS (-3D)



All dimensions in [mm]

|                     |  |
|---------------------|--|
| Type                | VWE 6000-SS (-3D)  |
| Dimensions          | See drawing  |
| Ambient temperature | Operation: -30 ... 50 °C<br>Storage: -30 ... 80 °C<br>Protect against direct sunshine  |
| Type of protection  | IP65   |
| Ex-approval         | Use in zone 22 (protection by housing) for installation of a CONiQ Control COM panel-mounting unit with Ex approval (in preparation) |
| Cable inlets        | Brass  |
| Other data          | See panel mount unit   |

# Modules

## Input/output modules

| Inputs and outputs   | Module           |
|--|------------------|
| <b>Weighing</b>  |                  |
| - 2 weighing channels, 2 proximity sensor inputs                             | VLC6030, VLC6040 |
| - 1 weighing channel, 2 proximity sensor inputs                              | VLC6033, VLC6043 |
| - Load cell supply voltage 5 VAC   | VLC603x          |
| - Minimum load cell internal resistance 35 Ω                                 |                  |
| - Load cell supply voltage 15 VAC  | VLC604x          |
| - Minimum load cell internal resistance 120 Ω                                |                  |
| 6 binary inputs,<br>4 binary outputs (24 V, 0.5 A),<br>1 analog output 20 mA | VBY6030          |
| 4 binary inputs,<br>2 binary outputs (24 V, 0.5 A)                           | VBY6032          |
| 8 relay outputs (230 VAC, 1 A)   | VRY6030          |
| 3 analog outputs,<br>2 analog inputs; (20 mA oder 10 V respectively)         | VAN6030          |
| 1 analog output,<br>1 analog input; (20 mA oder 10 V respectively)           | VAN6031          |

## Optional process communication

| Interface/protocol | Module                                       |
|--------------------|--|
| Modbus-TCP         | Plug connection on basis module              |
| Modbus-RTU         | VRS6031<br>or plug connection on base module |
| PROFIBUS           | VPB6030                                      |
| PROFINET           | VET6030                                      |
| Ethernet/IP        |  |
| DeviceNet          | VDN6030                                      |



# Type code

