

CONiQ® Control 4.3" Compact

Weighing controller for industrial scales

- Intuitive touch controls
- Web-based user interface
- Modular design
- Simple system integration
- Legal-for-trade according to EN 45501
OIML R51 / NTEP



CONiQ Control 4.3" Compact is an innovative and flexible weighing control system for various industrial weighing applications and process controls. Awarded the reddot award 2019, the touch control interface intuitively guides the user through the program (according to ISO 9241) directly on the device or also using the web-based remote access.



Modular design

Configuration appropriate for your application.

- Functions determined by the software module used
- Three freely assignable slots for I/O expansion modules
- Color TFT touch display
- Connection of additional peripherals via USB
- No re-verification necessary when replacing mainboard or I/O modules
- Fieldbus interface for simple system integration
- Different enclosure variants

Award-winning user interface

- Intuitive handling
- Short learning time
- Clear text fault indication
- Three definable user groups

Web-based user interface

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

Optional:

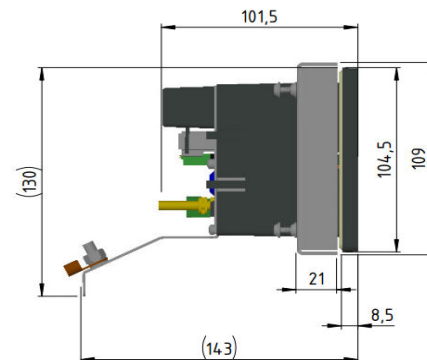
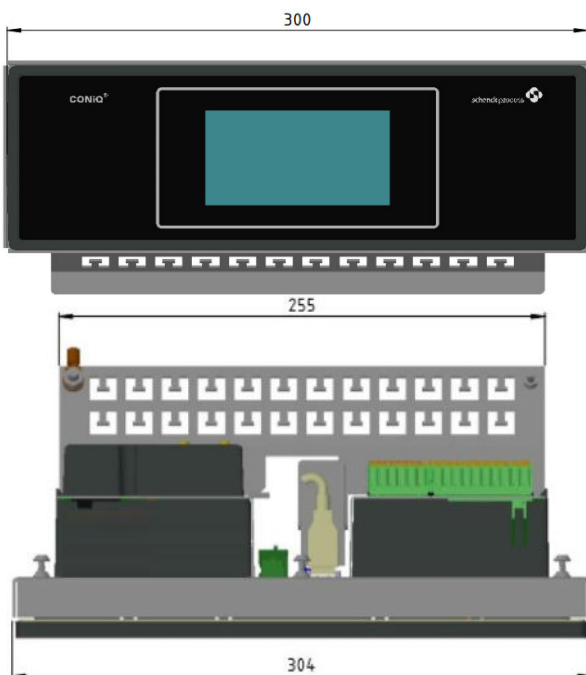
- WiFi for wireless service access
- Fieldbus card
- Memory expansion for recording process data



General data 4.3" Compact device

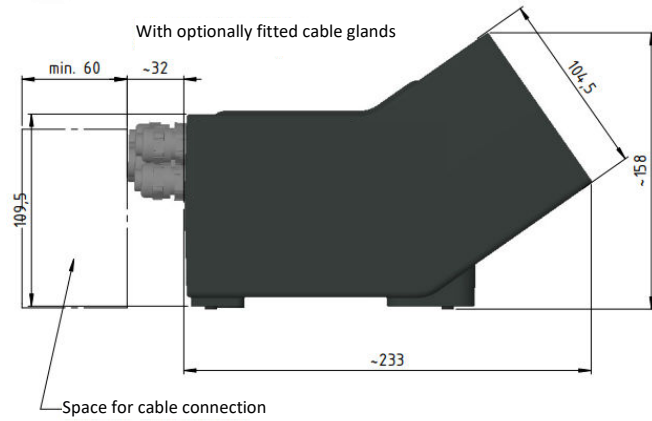
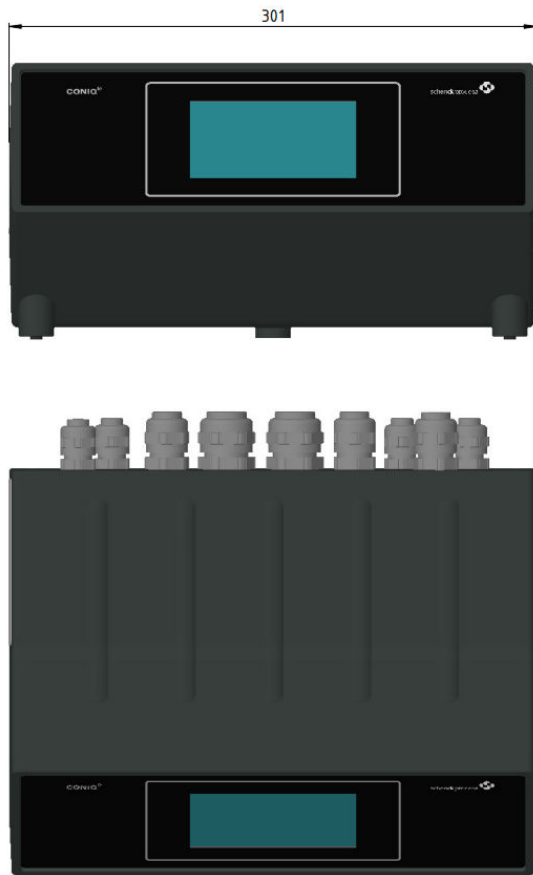
| | |
|---|---|
| Display technology | 4.3" color TFT with capacitive touch control |
| Display size (W x H) | 95 x 53.7 mm |
| Power Supply | 100 ... 240 VAC (-15%, +10%) Alternatively: 24 VDC (-7%, +12%) Overvoltage category II |
| Power consumption | Max. 30 W |
| Ambient temperature | Operation: -30 ... 50 °C; up to 95 % relative humidity non-condensing Storage: -30 ... 80°C; Humidity <95 % |
| Installation height | <= 2000 m |
| Date/time | Real-time clock, running time reserve without voltage: min. 7 days |
| Serial interfaces | 1x RS485 (2-wire) and 1x RS232 |
| Office bus interfaces | 2x USB (master) 1x Ethernet (RJ45, 10/100BASE-T) |
| Fieldbus interface options (alternative) | Modbus-TCP Modbus-RTU PROFINET PROFIBUS DeviceNet EtherNet/IP |
| Slots for input/output modules | 4 (1 occupied as standard for load cell interface) |
| Certifications | CE (UKCA; EAC, UL, IECEx, ATEX in preparation) EU type approval (NAWID) according to EN 45501 EU type approval (Catchweigher) according to OIML R51 / MID US type approval according to NTEP |

Control panel device



| | |
|--|---|
| Operating panel cut-out (W x H) | 282 ^{+0.5} x 88 ^{+0.5} mm |
| Protection class | Front: IP 65 Back: IP 20 |
| Weight | 1.4 kg |

Wall & desktop device



| | |
|-------------------------|--------------------------------------|
| Protection class | With membrane gaskets at rear: IP 54 |
| Weight | 2.3 kg |

Input/output modules

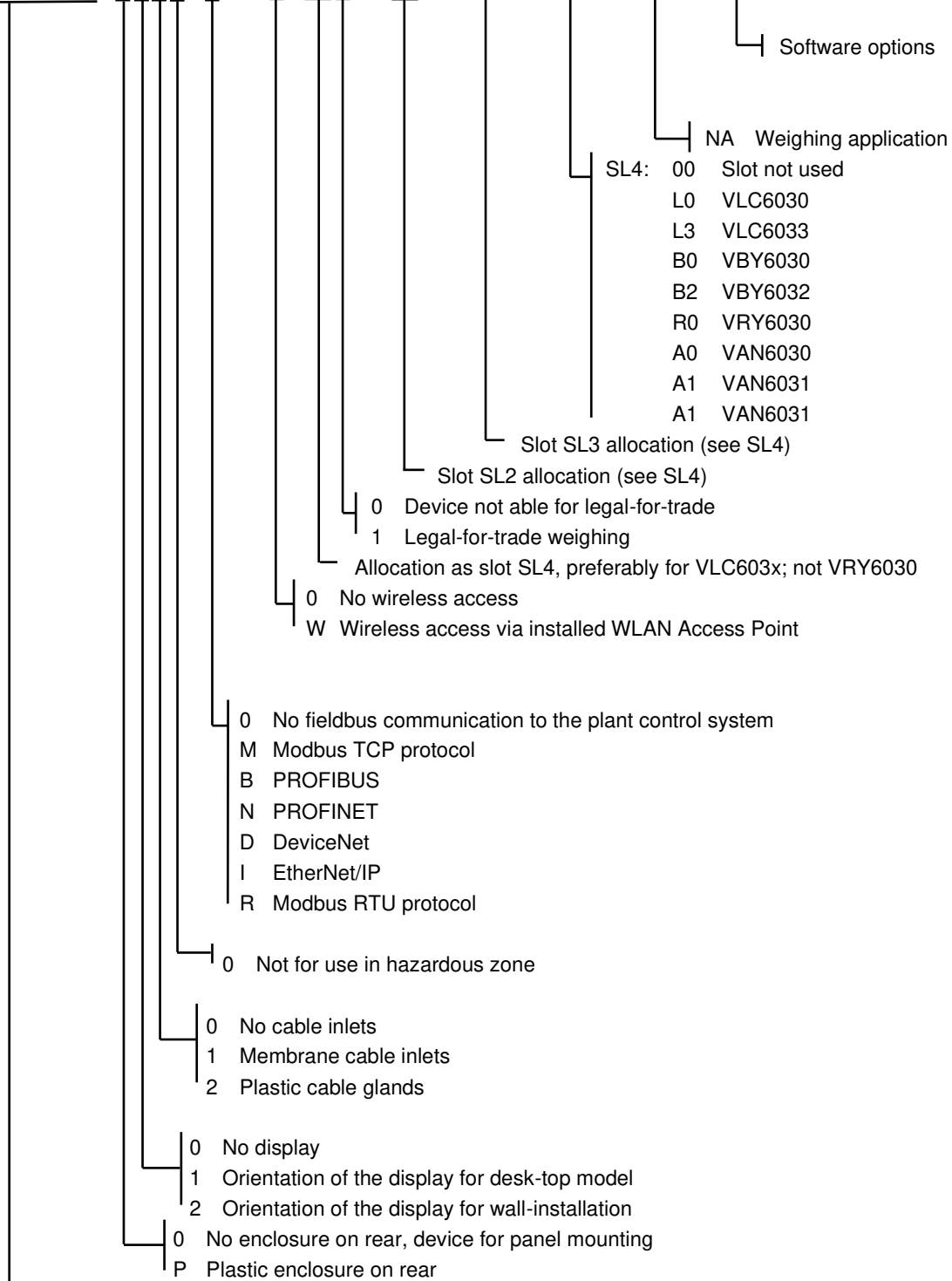
| Inputs and Outputs | Module |
|--|---------|
| 2 weighing circuits, 2 sensor inputs | VLC6030 |
| 1 weighing circuit, 2 sensor inputs | VLC6033 |
| 6 binary inputs, 4 binary outputs (24 V, 0.5 A), 1 analog output 20mA | VBY6030 |
| 4 binary inputs, 2 binary outputs (24 V, 0.5 A) | VBY6032 |
| 8 relay outputs (230 VAC, 1 A) | VRY6030 |
| 3 analog outputs, 2 analog inputs; (each 20 mA or 10 V) | VAN6030 |
| 1 analog output, 1 analog input; (each 20 mA or 10 V) | VAN6031 |

Optional process communication

| Interface/protocol | Module |
|--------------------------|---------------------------------|
| Modbus TCP or Modbus RTU | Plug connection on basis module |
| PROFIBUS | VPB6030 |
| PROFINET | VET6030 |
| EtherNet/IP | |
| DeviceNet | VDN6030 |

Type code

CIQ:D1400.***0-*.0.*.***0.**00.**00.**00-*****



Basic code for CONiQ Control 4.3" Compact device



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