

INTECONT® Opus, measuring system for legal-for-trade belt weighers



- Compact weighing electronics for legal-for-trade belt weighers
- OIML 0,5 / 1 / 2
- Exchange of components without recalibration
- Integrated display and control panel
- High operating convenience, automatic calibration programs
- Fieldbus-Interfaces

Application

The INTECONT Opus is a measuring device especially for legal-for-trade belt weighers.

Equipment

The system is supplied as stainless steel box for local installation. Operation is via ergonomically styled keyboard organized by operating and service functions. A luminescent, anti-glare two-line display ensures easy reading of results.

A Fieldbus connection can be realized by optional Modbus, PROFIBUS DP-V0, DeviceNet or Ethernet modules. Legal-for-trade registrations are stored in the internal l.f.t. memory.

Function

- According to OIML R50 requirements
- Manual and/or automatic zero setting
- Full feed/dribble feed control for accurate batching
- Permanent storage of parameters
- Storage of calibration parameters in the load cell dongle. No recalibration after exchange of components
- Factory presettings for simple and quick commissioning
- Auto calibration (automatic calibration programs) self-starting taring
- Calibration intervals with output signal
- Pulse counter (value and pulse width set by parameter)
- Status, event, calibration and quantity reports
- Simulation mode for test and learning

Weighing Functions

Depending on mechanical system used, current flow rate is based on belt load and belt speed.
In addition to the comprehensive basic equipment, the following weighing functions are available:

- Accurate belt speed measurement
- Shifting of weighing to point of discharge
- Batching function

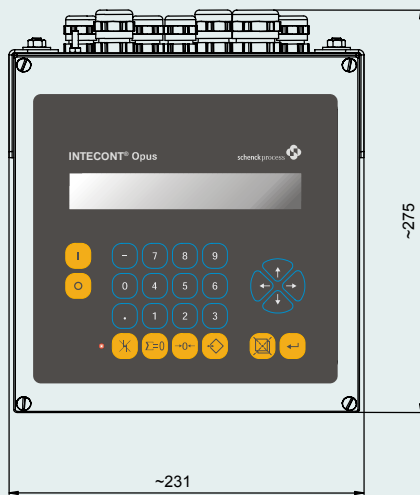
Equipment supplied

Designation	Type	Material number
Basic Devices		
Stainless steel unit	VKG 20760	V040006.B11
Stainless steel unit with PROFIBUS	VKG 20762	V063330.B11
Stainless steel unit with DeviceNet	VKG 20763	V063331.B11
Stainless steel unit with Ethernet/IP (software activation key)	VKG 20765	V063332.B11
Stainless steel unit, 24 VDC	VKG 20766	V084589.B11
Stainless steel unit with PROFIBUS, 24 VDC	VKG 20767	V084714.B11
Stainless steel unit with DeviceNet, 24 VDC	VKG 20768	V084715.B11
Stainless steel unit with Ethernet/IP (software activation key), 24 VDC	VKG 20769	V084716.B11
Fieldbus modules		
PROFIBUS VPB8020		V054033.B01
DeviceNet VCB8020		V081906.B01
Ethernet/IP software activation key		V040035.B01
Legal-for-Trade Memory		
Legal-for-trade module	VMM 20407	V040026.B01
Software		
EasyServe		E144541.01
Large-scale displays		
Large display 5-digit, LED, 100 mm digit height	VLD 20100	V090252.B01
Large display 5-digit, LCD, 100 mm digit height	VLZ 20100	V066611.B01
Large display 6-digit, LCD, 45 mm digit height	VLZ 20045	V067304.B01
Transducers FGA		
FGA 30R2		V037006.B02
FGA 20-RSLE		F020401.01
Set friction wheel and rocker arm		V047813.B01
Devices ATEX E22/3D		
VKG 20760-3D INTECONT Opus ATEX E22/3D		V095300.B01
VKG 20762-3D INTECONT Opus ATEX E22/3D		V134739.B01
VKG 20763-3D INTECONT Opus ATEX E22/3D		V134740.B01
VKG 20765-3D INTECONT Opus ATEX E22/3D		V134741.B01

INTECONT Opus in the Stainless steel housing VKG 2076x

Display	LCD 1 line 20 digits, digit height 12 mm, back-lit
Keyboard	24 keys
Supply voltage	Variant 1: 85 ... 250 VAC (-15/+10 %), 50 - 60 Hz, max. 10 VA Variant 2: 24 VDC
Temperature range	Operating temperature: -30 °C to +60 °C Storage temperature: -40 °C to +80 °C Legal-for-trade operating temperature: -20 °C to +40 °C
Electro-magnetic environment	E2 (OIML D11)
Load cell input	Power supply: 5 V AC Load cell impedance: R min 47 Ω Cable length: max. 1000 m
Housing	Stainless steel 1.4301, IP65
Binary inputs	4 x Optocoupler, 18 ... 36 VDC, typ. 5 mA 1 x NAMUR, max. 5 V, 0.04 ... 3000 Hz
Binary outputs	4 x Relays, 230 VAC, max. 60 W
Pulse output	Optocoupler, 18 ... 36 VDC, max. 50 mA / 10 Hz
Analog output	0(4) ... 20 mA, 12 Bit, load 500 Ω
Serial interfaces	Interface 1: EasyServe Interface 2: Printer Interface 3: Modbus or Large-scale displays
Fieldbus	Select: Ethernet Modbus-TCP or optional PROFIBUS DP-V0, DeviceNet, Ethernet/IP
Large-scale displays	Selectable: VLD 20100, LED, 100 mm digit height VLZ 20100, LCD, 100 mm digit height VLZ 20045, LCD, 45 mm digit height
Internal l.f.t. memory	Capacity about 40 000 data sets
For usage in hazardous atmosphere	VKG 2076x- 3D for ATEX category 3D

Tabletop mounting



Wall mounting

