

Technical Data CarboSen Transmitter CT1



Fig. 1 CarboSen Transmitter CT1

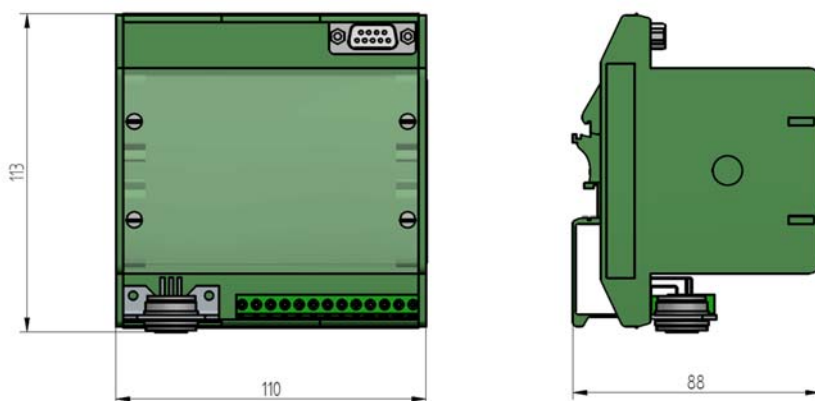


Fig. 2 Dimension CarboSen Transmitter CT1

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Dimension (W x H x D)	113 x 110 x 88 mm / 4.45 x 4.33 x 3.46" in
Weight	340 g / 0.75 lb
Material	plastic
Colour	grass green (similar to RAL6010)
Lifetime	10 years
Control elements	programming unit
Display	LED (green, yellow, red)
Power supply voltage	13 - 30 VDC (ideal 24 VDC/2 A)
Power consumption	approx. 8 W (without accessories)
Stand-by time	in case of initial start-up/sensor exchange approx. 10 min (installation routine), otherwise after 120 s (heating ramp)
Analogue output	sensor voltage (factory settings): -100 ... +900 mV → 4 ... 20 mA (0 mA = fault) min. load 300 Ω
Resolution	sensor voltage [mV]: -100 ... +900 mV → 4 ... 20 mA 0.1 mV correspond 1.6 µA CO _e concentration [ppm]: -100 ... +900 mV → 4 ... 20 mA 0.1 mV correspond 1.6 µA CO _e concentration [ppm]: 0 ... 10.000 ppm → 4 ... 20 mA 1 ppm correspond 1.6 µA

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Connection	5 pole. DIN socket (for CarboSen) 13-terminal bar (pin assignment: see table pin assignment in manual CarboSen DLT5802; chapter circuit diagrams) 9-pol. Sub-D socket (for programming unit)
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Conditions of Use

Mounting	on DIN mounting rail TS35
Mounting position	any
Permissible measuring gas humidity	20 ... 90 % relativ humidity (non-condensing)

Environmental Conditions

Operation	permissible temperature range	-20 ... +60 °C / -4 ... +140 °F
Transport	permissible temperature range	-40 ... +60 °C / -40 ... +140 °F
Storage	permissible temperature range	-20 ... +40 °C / -4 ... +140 °F
Degree of protection	DIN EN 61140	IP20

NOTICE

The limits of the technical data must be strictly adhered to.

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Order Information

Electronic evaluation unit CarboSen Transmitter CT1 in rail mounting housing

for sensor supply or CO_e value, terminal bar for analogue output, LSB and power supply, 20 ... 90 % relativ humidity, non-condensing

Description/Type	Order no.
CarboSen Transmitter CT1 in rail mounting housing	658R0107

Accessories

Extended evaluation for CarboSen Transmitter CT1

Description/Type	Order no.
LSB output module with 4 analogue outputs (0 ... 10 VDC), LSB address 19, IP20, mounted on DIN rail Power supply voltage 24 VDC, max. 1.2 W	663R4025
LSB output module with 4 analogue outputs (0 ... 20 mA), LSB address 19, IP20, mounted on DIN rail Power supply voltage 24 VDC, max. 1.2 W	663R4029
LSB output module with 4 digital outputs, floating, LSB address 03, Functions: DO1 limit 1, DO2 limit 2, DO3 not measure, DO4 fault, IP20, mounted on DIN rail Power supply voltage 24 VDC, max. 1.2 W	663R4027
LSB input module with 4 digital inputs 24 VDC, floating, LSB address 11, Functions: DI1 reset, DI2 reset, DI3 sensortest, DI4 reset fault, IP20, mounted on DIN rail Power supply voltage 24 VDC, max. 1,2 W	663R4028
Additional power supply unit for LSB modules, input 110 ... 240 VAC, output 24 VDC (SELV), 16 W IP20, mounted on DIN rail	663R4024

Connecting cable

Description/Type	Order no.
LSB connecting cable CarboSen ST - LSB module, length 2 m / 6.56" in	658R1055-2M
LSB connecting cable CarboSen ST - LSB module, length 3 m / 9.84" in	658R1055-3M
LSB connecting cable CarboSen ST - LSB module, length 5 m / 16.4" in	658R1055-5M
LSB connecting cable CarboSen ST - LSB module, length 10 m / 32.8" in	658R1055-10M
LSB connecting cable CarboSen ST - LSB module, length 15 m / 49.21" in	658R1055-15M
LSB connecting cable CarboSen ST - LSB module, length 20 m / 65.62" in	658R1055-20M
LSB connecting cable CarboSen ST - LSB module, length 30 m / 98.43" in	658R1055-30M
LSB connecting cable CarboSen ST - LSB module, length 50 m / 164.04" in	658R1055-50M



The information in this publication is subject to technical changes.



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