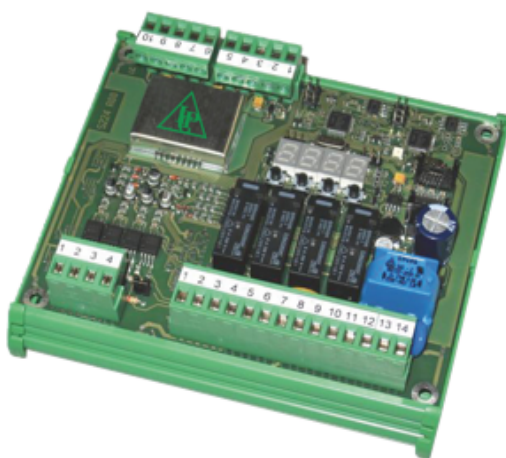


## General information

PWS17420240703

The load limiter LC 300 is an electronic instrument, compact, reliable, complete with display, certified and compliant with the SIL safety regulations, which allows to avoid damages or breakages with very dangerous consequences for the operators' safety. This is a double safety load limiter. The LC 300 product has two inputs for independent load cells, a 4-digit red LED service display and removable terminal blocks.



Technical Manual (isolated version): [lc-300-isolated\\_technical\\_manual\\_en.pdf](#)

Technical Manual: [lc-300\\_technical\\_manual\\_en.pdf](#)

All indicated data may be changed without notice.  
All the measures indicated are expressed in millimeters (mm).

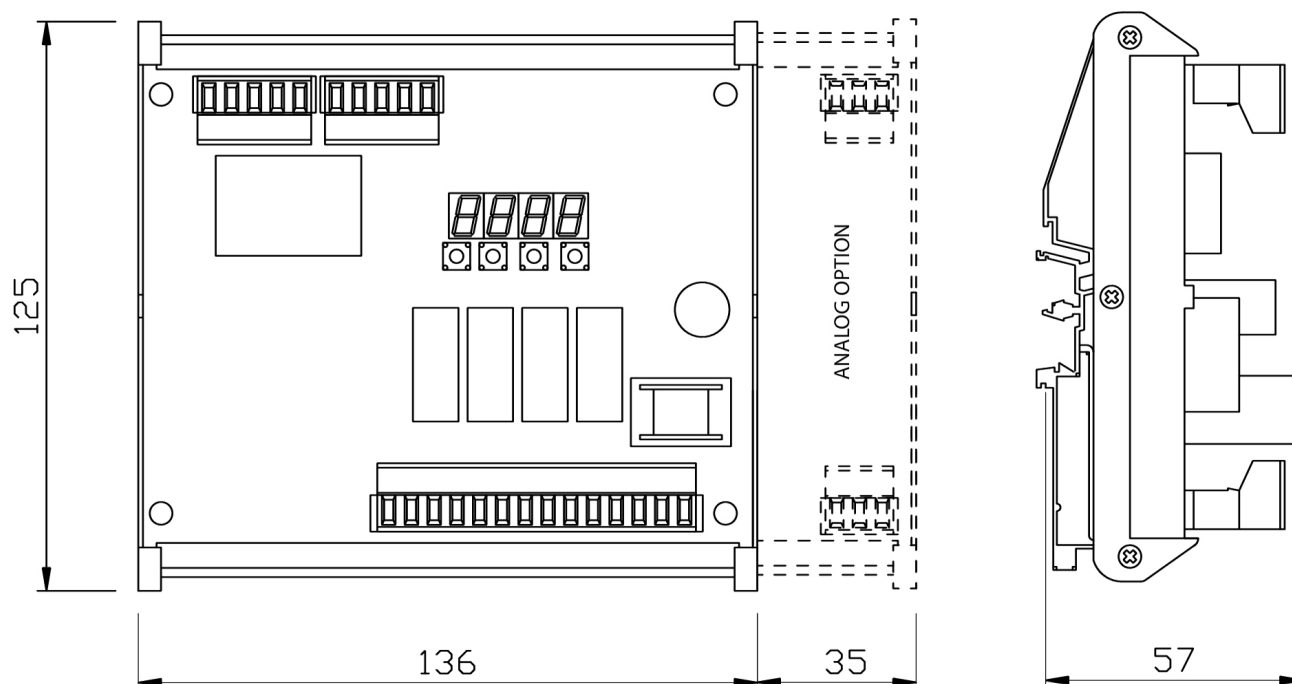
## Technical specifications

PWS17420240703

<b>Measuring range:</b>	-3,9 ÷ +3,9 mV/V
<b>Input sensitivity:</b>	0.02 µV/count
<b>Full scale non-Linearity:</b>	<0.01 % full scale
<b>Gain drift:</b>	<0.002 % of full scale/°C
<b>Display:</b>	numeric; 4-digit, 7-segment red led (h 7 mm)
<b>Internal Resolution:</b>	24 bits
<b>Material:</b>	Polyamide 6.6 UL 94V-0 self extinguishing
<b>Visible resolution (in divisions):</b>	100.000
<b>Temperature range:</b>	-10 ÷ +50 °C (max umidity 85% without condensation)
<b>Storage temperature:</b>	-20 ÷ +60 °C
<b>Filter:</b>	0.25 ÷ 3 Hz
<b>Logic output:</b>	4 (24 Vcc/ca contact NA, 2A)
<b>Analog optional output:</b>	2 outputs 4 ÷ 20 mA (1 per channel)
<b>Analog output Non-Linearity:</b>	0.03 % full scale
<b>Temperature drift analog output:</b>	<0.002 % of full scale/°C
<b>Power supply:</b>	10 ÷ 30 Vdc
<b>Regulatory compliance:</b>	EN 61000-6-2, EN 61000-6-3 EMC, EN 61010-1, EN 13849-1
<b>Dimensions:</b>	136 x 125 x 65 mm (L x H x P); Analog: 171 x 125 x 65 mm (L x H x P)
<b>Resolution:</b>	16 bit
<b>Isolation:</b>	class III
<b>Impedance:</b>	max 300 Ohm
<b>Load cells input:</b>	max 4 load cells of 350 Ohm
<b>Zero and full scale:</b>	Executable from keyboard
<b>Power consumption:</b>	6 W

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## Electronic Overload Guard **LC 300**



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