

## Weighing Amplifier

Amplifier for Top-Hat Rail Mount

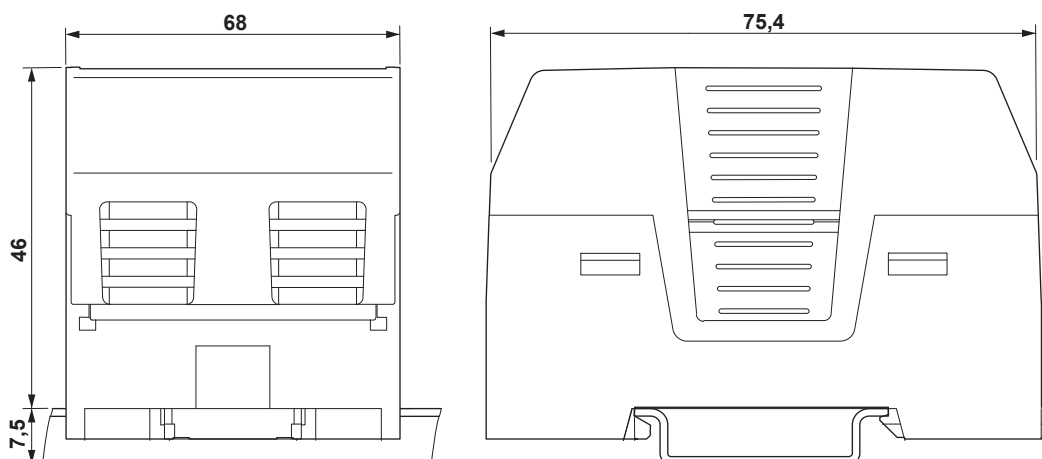
# H1397



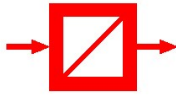
### Characteristics:

- Red LED Weight Display, 5-digit, 10mm high
- Internal 24-bit Converter
- Optional with either Serial Interface RS232 or RS485 or USB Connection
- Analog Output 4-20mAmps (for PLC)
- ABS Housing, for Top-Hat Rail Mount
- Supply 24VDC or 230VAC (with optional Power Supply Unit)

### Dimensions:



Dimensions in mm.



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### Technical Specifications:

Maximum Resolution	d	10,000
Input Sensitivity	µV/d	0.33
Zero Range	mV/V	2.5
Analog Input Range / Measuring Range	mV/V	3
Internal Resolution		8,388,608
A/D Converter		24-bit
Sampling Rate	1/s	8
Digital Filter		Average of 10 Measurements
Display		LED, red, 5-digit, 10mm high
Load Cell Connection		4-wire (plus screen)
Maximum Number of Load Cells	Ω	4 x 350
Maximum Load Cell Resistance	Ω	35,000
Minimum Load Cell Resistance	Ω	87
Maximum Power Consumption (at 4x350Ω Load Cells)	W	2.4
Load Cell Excitation	V DC	5 (max. 125mAmps)
Non-Linearity of Measuring Range	%	0.018
Temperature Coefficient of Zero Signal per 10K	%	0.003
Temperature Coefficient of Sensitivity per 10K	%	0,006
Supply Voltage	V DC	24 (18-28)
Current Consumption	A	0.1
Optional Supply Voltage (Power Supply Unit)	V AC	230 (85-264)
- Supply Frequency	Hz	50 – 60
- Nominal Current	A	0.3 – 0.1
Outputs / Interfaces		
- Serial Interface RS232 (for Printer/PC)		optional (specify in order)
- Serial Interface RS485		optional (specify in order)
- USB Connection		optional (specify in order)
- Analog Output 4-20mAmps (for PLC)		yes
Operating Conditions		
- Service Temperature (Storage Temperature)		-10 to +40°C (-20 to +50°C)
- Humidity		<90% RH, not condensing
Dimensions of Housing (WxHxD)	mm	68 x 53.5 x 75.5
Weight	kg	0.2
Material of Housing		ABS
Protection Class to EN 60 529		IP20

### Connections:

Connector A Load Cell Connection		Connector B – Supply & Analog Output & Serial Interface			
1	Load Cell Excitation +	1	Screen / Earth	o l	Screen / Earth
2	Load Cell Excitation -	2	4-20mA (max. 300Ω)		4-20mA (max. 300Ω)
3	Load Cell Signal +	3	Supply + (18-28V DC / 100mAmps)		Supply + (18-28V DC / 100mAmps)
4	Load Cell Signal -	4	Supply - / 0 / GND		Supply - / 0 / GND
5	Screen	5	RXD (RS232) (Sub-D Pin 3)		B (RS485) (Sub-D Pin 2)
		6	TXD (RS232) (Sub-D Pin 2)		A (RS485) (Sub-D Pin 1)