

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official pages for procurement and maintenance review

PRODUCT BRAND

Load Cell Central

PRODUCT MODEL

OM-19-2

DIN-Rail Load Cell Amplifier

OFFICIAL SOURCE

OM-19 / OM-192S Analog Signal Conditioner Datasheet

OM-19

[Open current manufacturer source](#)

OM-19 / OM-192S

Analog signal conditioner

± 10 V / 0-10 V / 4-20 mA

- The OM-19 is able to run up to 4 strain gauge load cells (350 Ohm)
- 4 or 6 wire load cell
- Voltage output (± 10 Vdc or 0-10 Vdc) and current output (4-20 mA)
- Shunt calibration signal
- 2 set points on relays optional OM-192S



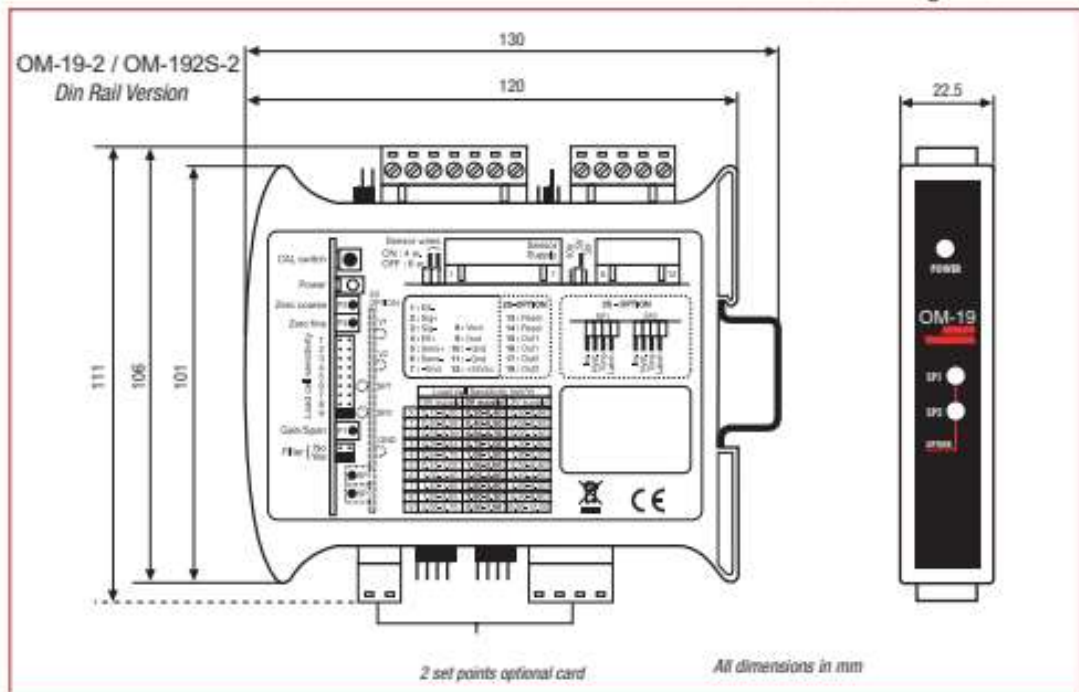
OM-19-2 / DIN Rail Version



OM-19-1 / Board Version



OM-19-3 / Housing Version



Load Cell Central follows a policy of continuous improvement and reserves the right to change specifications without notice. © 2015

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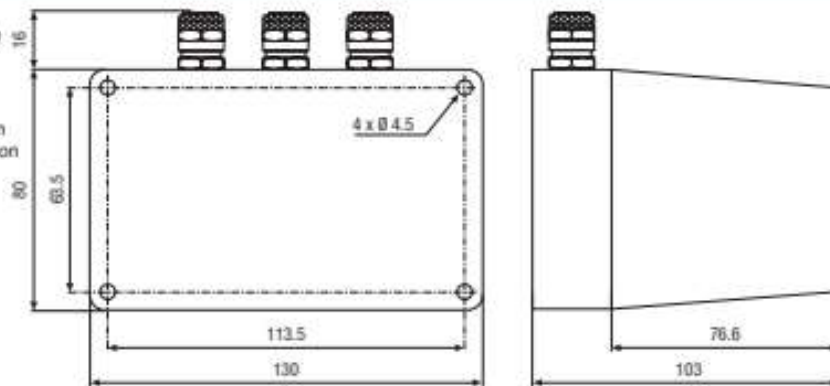
OM-19 / OM-192S

Analog signal conditioner

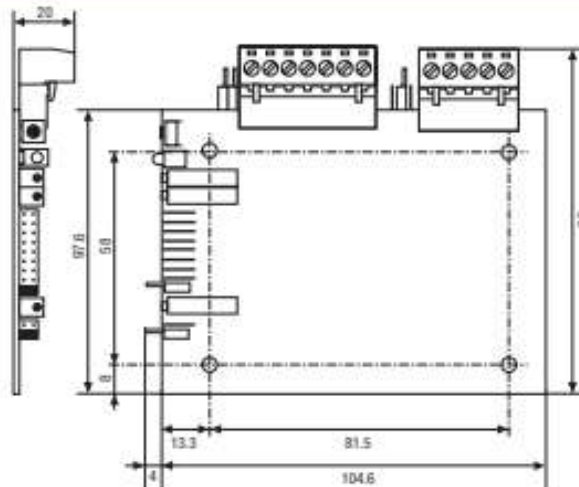
OM-19-3

Housing Version

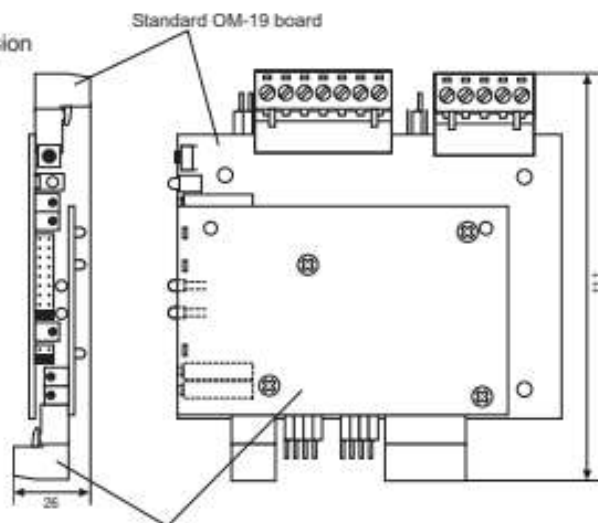
Not available on
OM-192S version



OM-19-1 board version



OM-192S-1 board version



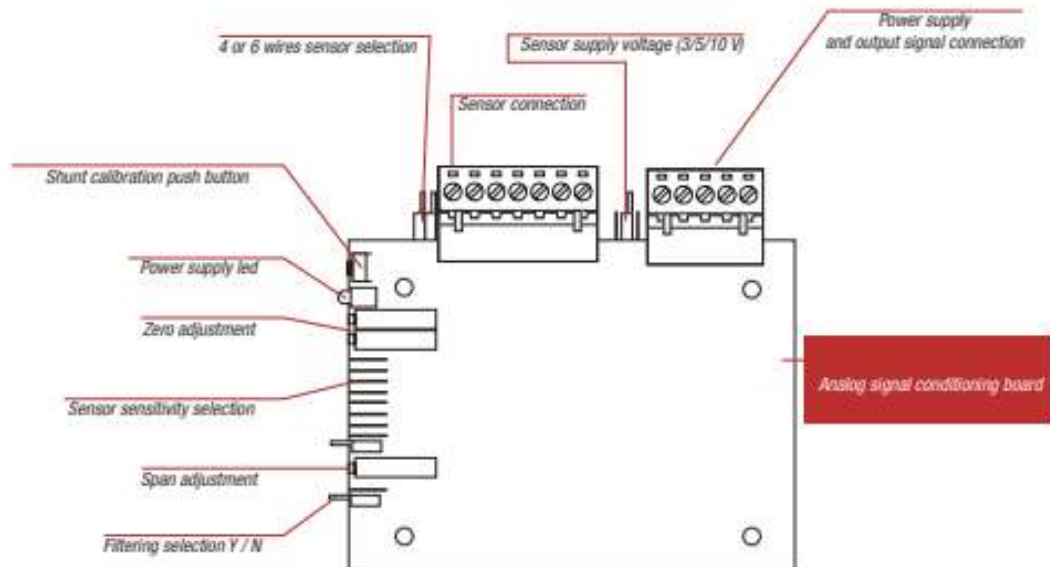
2 set points optional board

All dimensions in mm

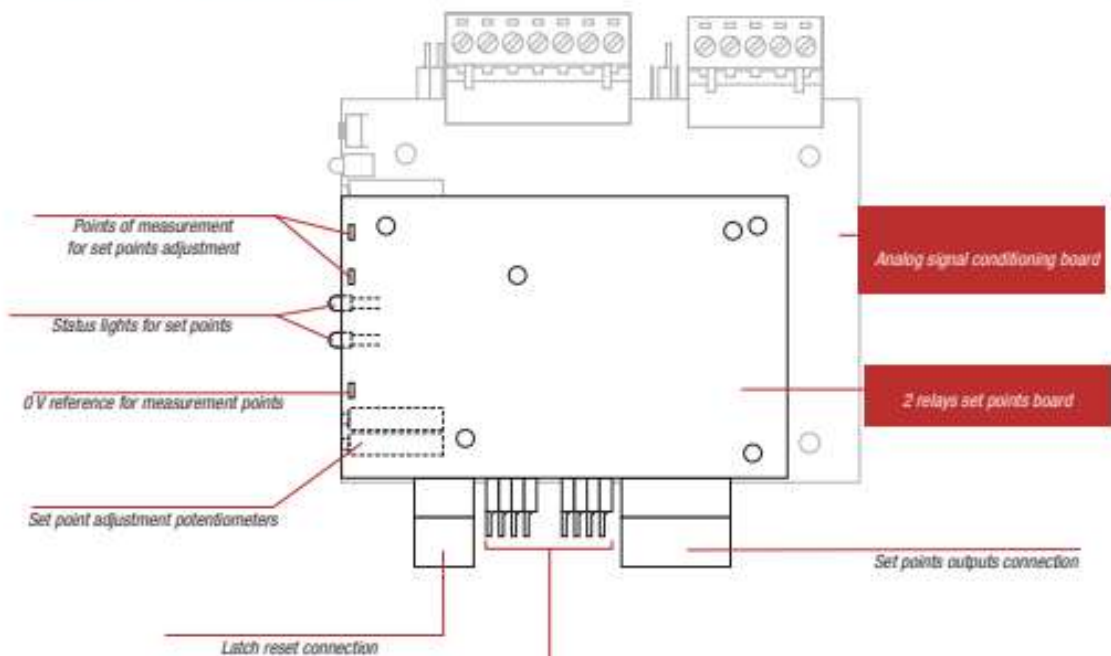
OM-19 / OM-192S

Analog signal conditioner

OM-19 wiring and setting



OM-192S wiring and setting



- Set points setting:
- Relay Normally Open / Close
 - Hysteresis 0.2 / 1.1 %
 - Relay Holding time 5 / 600 ms
 - Latch function Y / N

OM-19 / OM-192S

Analog signal conditioner

OM-19 Specifications

Power supply	24 ±4	Vdc
Accuracy class	0.05	%
Temperature effect on zero	≤0.035	%FS./°C
Temperature effect on span	≤0.02	%/°C
Operating temperature range	0...+70	°C
Load cell input voltage (engaged with jumper)	3, 5, 10	Vdc
Min. load cell impedance: excit. 3/5 V	80	Ω
excit. 10 V	160	Ω
Span adjustment	0.15...12	mV/V
Max supply current OM-19 / OM-192S	120 / 170	mA
Voltage output	±10, 0-10	V
Current output	4-20	mA
Load impedance for voltage output	≥ 2000	Ω
Load impedance for current output	≤ 500	Ω
Capacitive load on the output	≤ 1	nF
Filtering (engaged with jumper) low pass (-3dB)	10	Hz
Bandwidth	≤ 20	KHz

OM-19 - OM-192S Set points specifications

GENERAL		
Number of set points	2	
Adjustment	2 potentiometers	
Selectable functioning direction	yes	
Hysteresis	1.1 / 0.2	% F.S.*
Holding time	5 / 600	ms
Latch function	yes	
Response time	7	ms
RELAY		
Technology	Photorelays	
On-state current max. at 40°C	0.4	A
Off-state voltage	55	V
On-state resistance	2	Ω
Isolation voltage	2 500	Vrms
* F.S. : Full scale		

Options

Input for potentiometer		
Customized filtering	0.5...450	Hz
Power supply 12 Vdc**		
** Output voltage limited to ±5, 0-5 V		

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