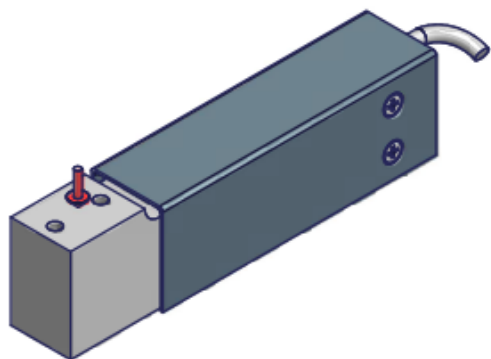


AH

Off-center load cell

1. Product description

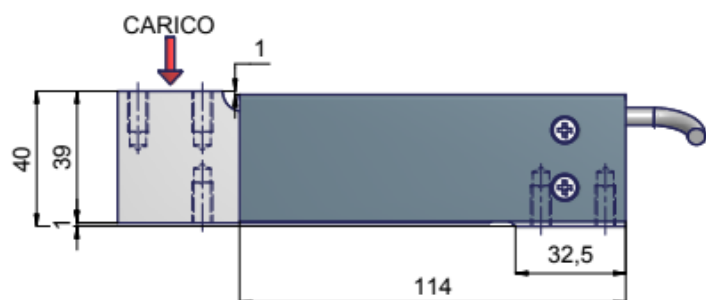
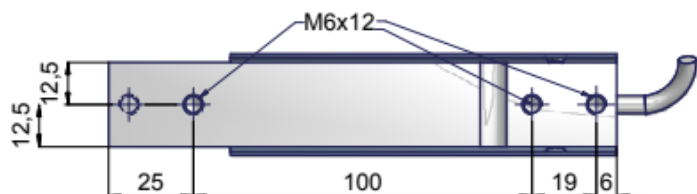


- 1 Capacities from 5 kg to 100 kg
- 2 Maximum platform size 400x400mm
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 4000d
- 6 On request ATEX zona 22 version

2. Applications

The single point load cells mod. AH are parallelogram transducers, mainly used in the construction of small weighing platform. The off-center load performance allows a maximum platform size of 400x400mm.

3. Dimensions (mm.)



Portata kg	Std	OIML	ATEX
5 kg	✓		✓
10 kg	✓		✓
15 kg	✓		✓
20 kg	✓	✓	✓
25 kg	✓	✓	✓
30 kg	✓	✓	✓
50 kg	✓	✓	✓
75 kg	✓	✓	✓
100 kg	✓	✓	✓

AH

Off-center load cell

4. Product features

Accuracy class	Standard	OIML C3	OIML C4
Capacities fs (E _{max})	5÷100 kg	20÷100 kg	20÷100 kg
Plate	400 x 400 mm	400 x 400 mm	400 x 400 mm
Rated output (C _n)	2 mV/V ± 10%	2 mV/V ± 10%	2 mV/V ± 10%
Y = E _{max} /V _{min}	//	12000	20000
Nominal excitation range	5 ÷ 10V	5 ÷ 10V	5 ÷ 10V
Maximum excitation	15V	15V	15V
Zero balance output	± 0,02 mV/V	± 0,02 mV/V	± 0,02 mV/V
Input resistance	400 ± 25 Ω	400 ± 25 Ω	400 ± 25 Ω
Output resistance	350 ± 2 Ω	350 ± 2 Ω	350 ± 2 Ω
Insulation resistance	> 5 GΩ	> 5 GΩ	> 5 GΩ
Combined error	<± 0,025% fs	<± 0,023% fs	<± 0,018% fs
Non repeatability	<± 0,015% fs	<± 0,008% fs	<± 0,007% fs
Creep 30 min.	<± 0,03% fs	<± 0,024% fs	<± 0,018% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,018% fs	<± 0,01% fs
Temperature effect on rated output (5°C)	<± 0,005% fs	<± 0,003% fs	<± 0,0025% fs
Compensated temperature range	-10°C ÷ +40°C	-10°C ÷ +40°C	-10°C ÷ +40°C
Operating temperature range	-20°C ÷ +70°C	-20°C ÷ +70°C	-20°C ÷ +70°C
Maximum safe load	150% fs	150% fs	150% fs
Ultimate load	>300% fs	>300% fs	>300% fs
Protection class (EN60529)	IP65	IP65	IP65
Material	Aluminium	Aluminium	Aluminium
Displacement at nominal load	0,30 ÷ 0,45 mm	0,30 ÷ 0,45 mm	0,30 ÷ 0,45 mm
Fixing screws tightening torque	10 Nm	10 Nm	10 Nm
Weight	~ 0,5 kg	~ 0,5 kg	~ 0,5 kg
Cable lenght	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²	5m - 6 x 0,14 mm ²
OIML R60 test certificate number		E - 01.02.C01	E - 01.02.C01

5. Wire diagram

