

IBM1-IP68



APPLICATION:

Single point scales whose platform is up to 500mm x 500mm

CAPACITY RANGE:

100kg - 200kg

MATERIAL:

Stainless Steel

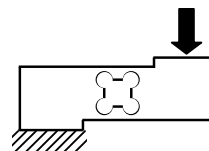
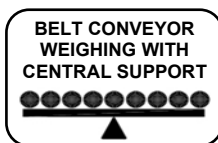
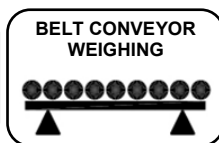
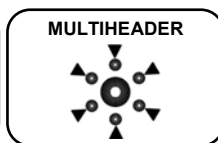
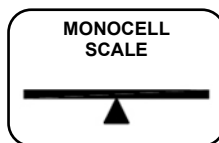
ENVIRONMENTAL PROTECTION:

IP68

APPROVALS:

CE 3000 Div - TC6178

OIML 3000 Div - R60/2000-NL 1-03.03



TEFLÓN® protects all the internal cables

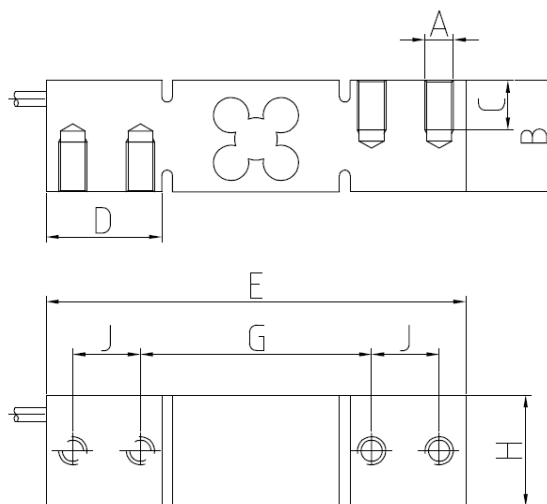
CHARACTERISTICS

Manufactured in stainless steel. Only 31mm high.

The laser soldered closing protects from the typical environment in food and chemical industry. Mounting compatibility.

APPLICATIONS

The IBM1-IP68 model is specially designed for platforms up to 500mm x 500mm with low profile and is protected from environmental conditions that appear in industry, where work and cleaning require a good environmental protection.



kg	A	B	C	D	E	G	H	J
100-200	M8	31	11	32	118	65	31	19

Dimensions in mm

OPTIONS

Sensitivity alignment: $\pm 0,1\%$.

Length of the cable is optional.

Hostile environmental cable.

ATEX option

EC-Type examination certificate

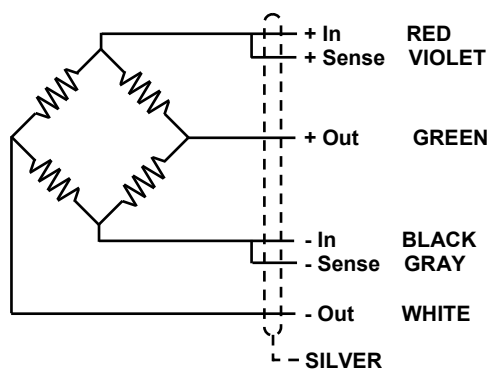
CEC 11 ATEX 040 X according directive 94/9/EC

II 1G EEExia IIC T6 (Ta2-0 \div +40°C)
TX (Ta-20 \div +65°C)

II 1D tD A20 TX°C (Ta-20 \div +40°C)
TX°C (Ta-20 \div +65°C)

For more information look up the EC-type examination certificate, and documentation.

Consult for special requirements.



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GENERAL TECHNICAL CHARACTERISTICS FOR $g = 9,8031 \text{ m/s}^2$

OIML Class	C3	UNITS
Divisions n_{LC}	3000	
Minimum Dead load E_{min}	0	kg
$Z = E_{max} / 2DR$	3000	
$Y = E_{max} / V_{min}$	10000	
Rated Capacity E_{max}	100 - 200	kg
Rated Sensitivity C	$2 \pm 10 \%$	mV/V
Rated Input Voltage	10	V dc
Input Voltage Range	5...15	V ac/dc
Input Resistance R_{LC}	382 ± 10	Ω
Output Resistance	350 ± 3	Ω
Zero Balance	± 2	% Emax
Insulation Resistance at 50 V DC	> 5000	M Ω
Service Overload	> 150	% Emax
Overload Limit	> 300	% Emax
Temperature Range : Compensated	- 10 ... 40	$^{\circ}\text{C}$
: Operating	- 30 ... 85	$^{\circ}\text{C}$
: Storage	- 30 ... 90	$^{\circ}\text{C}$
Max. Nonlinearity	0,02	% Emax
Max. Hysteresis	0,02	% Emax
Max. No repeatability	0,01	% Emax
M Max. Creep in 4 hours	0,03	% Emax
Max. Zero Recovery Test in 1/2 hour	0,011	% Emax
Max Temperature effect : On Sensitivity	0,0013	% Emax / $^{\circ}\text{C}$
: On Zero	0,0014	% Emax / $^{\circ}\text{C}$
Weight	700	g
Cable Length	3	m
Environmental Protection	IP68 - DIN 40050 (100h 1m)	