GENERAL MEASURE

Load Cell Selection Manual

ENTERPRISE PROFILE

30+ years
Industry Experience

40+
Country Sales

200+
R&D Patent

2000+
Application of the scene

General Measure established in 1993, as one of China's earliest industrial weighing company who is also a national high-tech enterprise, has over 50 people in the R&D team. For 28 years, we have been committed to improving the automatic process of industrial weighing and the precision of weighing control.

In 2003, we began to open the overseas market. Since 2006, General Measure dominated the high-end market and occupying more than 25% of the market in China. To expand the global business scale, we have been focusing on overseas markets since 2012. It has been seen that the average sales growth is above 30% every year.

We will continue to provide reliable industrial weighing indicators and equipment with excellent performance and weighing solutions with innovative value to our partners. Listening, Innovating, and growing together is our value, which guides us to achieve win-win cooperation by helping clients achieve their goals.

GENERAL MEASURE

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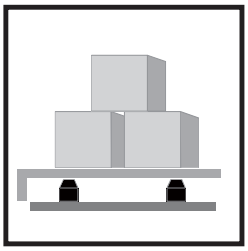
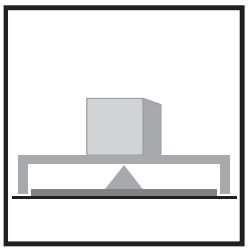
A

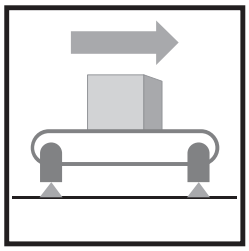
Load Cell



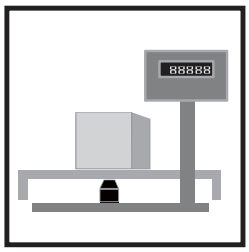
Platform Scale with mutiple load cell



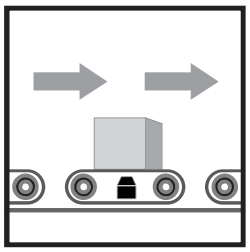
Platform Scale with single load cell



Belt scale

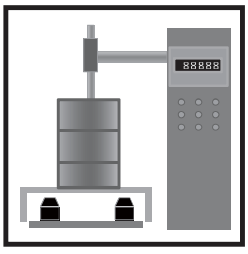


Commercial scale

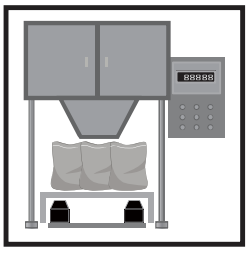


Check weigher

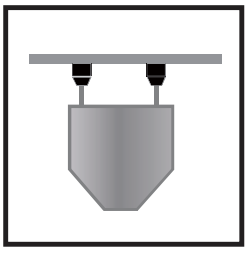
Loss-in-weight scale



Filling scale



Packing scale



Crane scale

www.gmweighing.com

GML-DHH3C

Features

Compact installation at minnimum installation height.

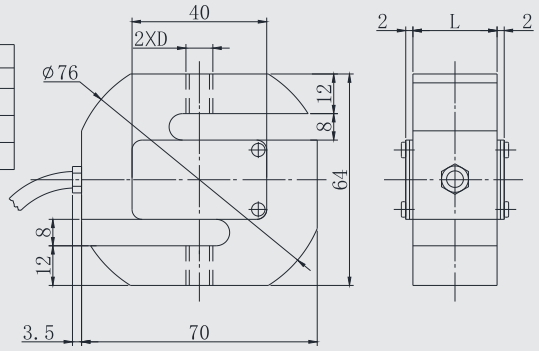
Easy installation.

Option: Alloy steel,Stainless steel.

Material	Model
Alloy steel	GML-DHH3C
Stainless steel	GML-DSH3C

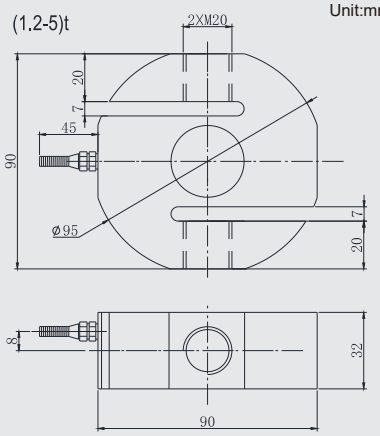
(20-1000)kg

Emax[kg]	尺寸(mm)	
	D	L
20~150	M8	12
200~500	M12	20
700~1000	M12	25



(1.2-5)t

Unit:mm



Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C2	C 3
Maximum capacity (Emax)	**t**	**0.1,0.2,0.25,0.3,0.5,1,2,5**	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	0.0100
Sensitivity (Cn)	mV/V	2.0±0.002	
Zero balance	mV/V	0±0.03 / 0±0.02	
Temperature effect on zero balance (TK0)	% of Cn/10K	±0.02	±0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	±0.02	±0.0170
Hysteresis error (d_{hy})	% of Cn	±0.0270	±0.0180
Non-linearity(d_{lin})	% of Cn	±0.0250	±0.0167
Creep(dcr) over 30 min.	% of Cn	±0.030	±0.0167
Input (RLC) &Output resistance (R0)	**Ω**	**400±10 & 352±3**	
Nominal range of excitation voltage (Bu)	**V**	**5~12**	
Insulation resistance (Ris) at50Vdc	MΩ	≥5000	
Service temperature range (Btu)	℃	-30~70	
Safe load limit (EL) & Breaking load(Ed)	% of Emax	120 & 200	
Protection class according to EN 60 529 (IEC 529)		**0.1t～1t:IP67;2t~5t:IP68**	
Material		Option: Alloy steel,Stainless steel.	

Maximum capacity (Emax)	t	0.1,0.2,0.25,0.3,0.5	1	2	3	5
Deflection at Emax (snom) ,approx	mm	0.15	0.25	0.45		
Weight(G),approx	kg	0.6	0.8	1.5		
Cable：Diameter：ø5mm Length	m	5				

GML-DHH3

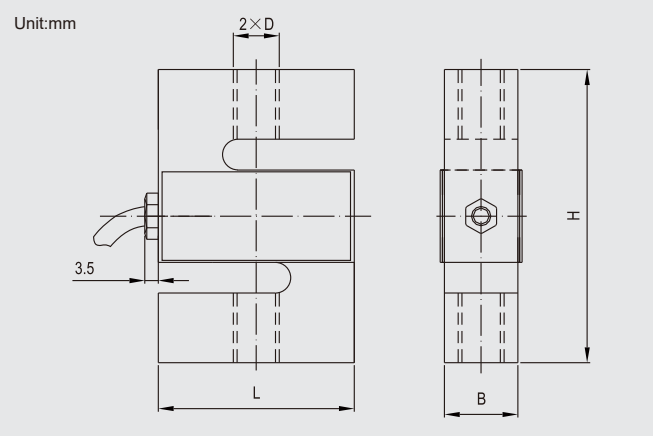
Features

Compact installation at minnimum installation height.

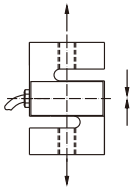
Easy installation.

Option: Alloy steel,Stainless steel.

Material	Model
Alloy steel	GML-DHH3
Stainless steel	GML-DSH3



Emax[t]	H	L	B	D
0.1,0.2,0.25,0.3,0.5	76.2	51	19.1	M12
1	76.2	51	25.4	M12
2,3,5	100.4	76.2	31.8	M20×1.5



crane scale,belt scale,blending system

Specifications

Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C2	C 3
Maximum capacity (Emax)	**t**	**0.1,0.2,0.25,0.3,0.5,1,2,5**	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	0.0100
Sensitivity (Cn)	mV/V	TCA:2.0±0.002/TCAB:3.0±0.003	
Zero balance	mV/V	TCA:0±0.02/TCAB:0±0.03	
Temperature effect on zero balance (TK_0)	% of Cn/10K	±0.02	±0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	±0.02	±0.0170
Hysteresis error (d_{hy})	% of Cn	±0.0270	±0.0180
Non-linearity(d_{lin})	% of Cn	±0.0250	±0.0167
Creep(dcr) over 30 min.	% of Cn	±0.030	±0.0167
Input (R_{LC}) &Output resistance (R_0)	**Ω**	**400±10 & 352±3**	
Nominal range of excitation voltage (Bu)	**V**	**5~12**	
Insulation resistance (Ris) at50Vdc	MΩ	≥5000	
Service temperature range (B_{tu})	℃	-30~70	
Safe load limit (E_L) & Breaking load(Ed)	% of Emax	120 & 200	
Protection class according to EN 60 529 (IEC 529)		**0.1t～1t:IP67;2t~5t:IP68**	
Material		Option: Alloy steel,Stainless steel.	

Maximum capacity (Emax)	t	0.1,0.2,0.25,0.3,0.5	1	2	3	5
Deflection at Emax (snom) ,approx	mm	0.15	0.25	0.45		
Weight(G),approx	kg	0.6	0.8	2.5		
Cable： Diameter：⌀5mm Length	m	5				

GML-DHH8SB

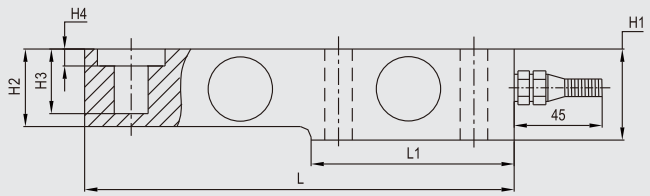
Features

Compact installation at minnimum installation height.

Easy installation.

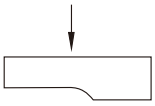
Option: Alloy steel,Stainless steel.

Material	Model
Alloy steel	GML-DHH8SB
Stainless steel	GML-DSH8SB



Unit:mm

Emax[t]	L	L1	L2	L3	L4	H1	H2/B	B1	H3	H4	D1	D2	D3
0.5,1,2,3	203	95	64	98	22	43	36.6	7	30.5	8	ø32	ø16	ø13
5,7.5,8	235	110	66	124	22	52	48	7	30	12	ø38	ø22	ø21
10,15	279	133	82	140	32	67	60	8.5	20	8.5	ø48	ø32	ø28
20,25	318	153	89	159	38	82.5	70	9.5	24	9.5	ø54	ø38	ø34



Floor scale, blending scale, hopper scale, platform scale

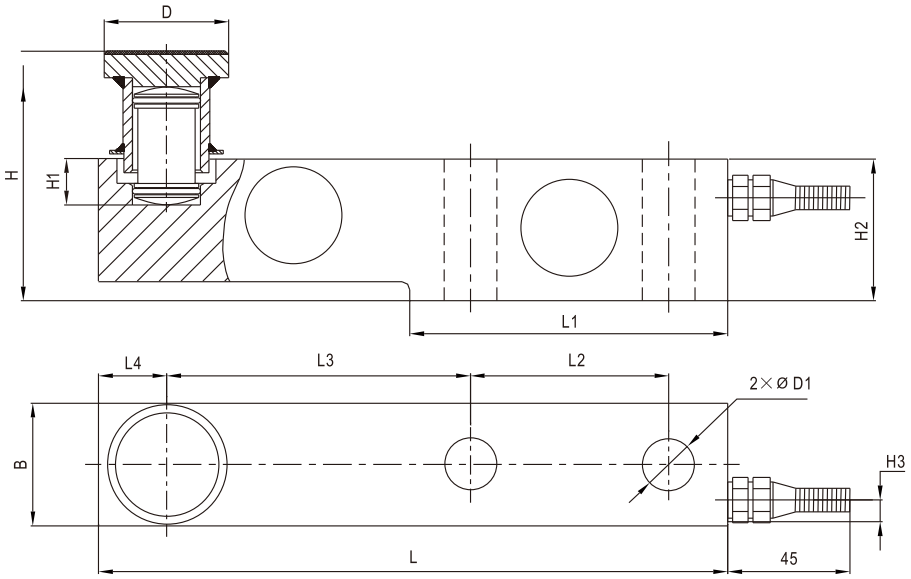
Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C2	C 3
Maximum capacity (Emax)	**t**	**0.5,1,2,3,5,7.5,8,10,15,20,25**	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	0.0100
Sensitivity (Cn) / Zero balance	**mV/V**	**2.0 ± 0.002 / 0 ± 0.02**	
Temperature effect on zero balance (TK0)	% of Cn/10K	±0.02	±0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	±0.02	±0.0170
Hysteresis error (d_{hy})	% of Cn	±0.0270	±0.0180
Non-linearity(d_{lin})	% of Cn	±0.0250	±0.0167
Creep(dcr) over 30 min.	% of Cn	±0.0233	±0.0167
Input (RLC) &Output resistance (R0)	**Ω**	**400±10 & 352±3**	
Nominal range of excitation voltage (Bu)	**V**	**5~12**	
Insulation resistance (Ris) at50Vdc	MΩ	＞5000	
Service temperature range (B_{tu})	℃	-30~70	
Safe load limit (EL) & Breaking load(Ed)	% of Emax	150 & 300(0.5t~5t);120&200(8t~25t)	
Protection class according to EN 60 529 (IEC 529)		**500kg:IP67;1t~25t:IP68**	
Material		Option: Alloy steel,Stainless steel.	

Maximum capacity (Emax)	t	0.5,1,2	3	5	7.5/8	10	15	20	25
Deflection at Emax (snom) ,approx	mm	＜1		＜1.2	＜1.5	＜1.2		＜1.5	
Weight(G),approx	kg	2.2		4.2		8.0		11.5	
Cable： Diameter：ø6mm Length	m	2.6	3.5	5.2		7	12	12	

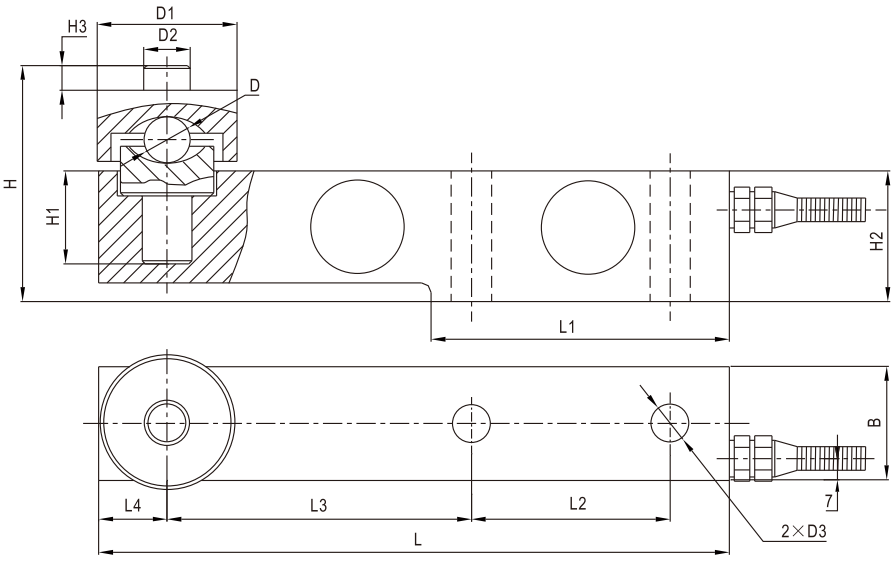
GML-DHH8SB Struture

A



Emax[t]	L	L1	L2	L3	L4	B	H	H1	H2	H3	D	D1
0.5,1,2,3	203	95	64	98	22	36.6	58	30.5	43	7	ø35	ø13
5,7.5,8	235	110	66	124	22	48	81	30	52	7	ø42	ø21
10,15	279	133	82	140	32	60	128	20	67	8.5	ø57	ø28
20,25	318	153	89	159	38	70	144	24	82.5	9.5	ø70	ø34

B



Emax[t]	L	L1	L2	L3	L4	B	H	H1	H2	H3	D	D1	D2	D3
0.5,1,2,3	203	95	64	98	22	36.6	79	30.5	43	9	ø16	ø45	ø15	ø13
5,7.5,8	235	110	66	124	22	48	104	30	52	10	ø25	ø52	ø21	ø21

GML-DHH8Q

Features

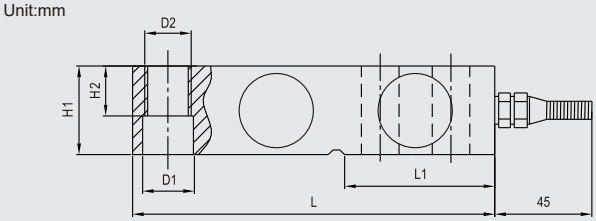
Compact installation at minnimum installation height
Easy installation.

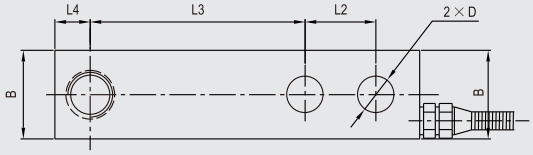
With overload stop and stay rod,
Self-restoring due to pendulum bearing.

Option: Alloy steel,Stainless steel.

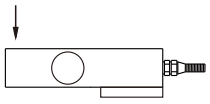
Material	Model
Alloy steel	GML-DHH8Q
Stainless steel	GML-DSH8Q

Unit:mm





Emax[t]	L	L1	L2	L3	L4	B	H1	H2	D	D1	D2
0.5～2.5	130	53.5	25.4	76.2	12.7	31.8	31.8	20	ø13	ø17.5	M16×1.5
3～5	171.5	72.5	38.1	95.3	19	38.1	38.1	26	ø20	ø20	M18×1.5
10	225.5	102	50.8	124	25.3	50.8	50.8	25.4	ø27	ø27	M24×2



Floor scale, blending control system, platform scale

Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C1	C 3
Maximum capacity (Emax)	**t**	**0.5,1,2,2.5,3,5,7.5,10**	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	0.0100
Sensitivity (Cn) / Zero balance	**mV/V**	**3.0 ± 0.003 / 0 ± 0.03**	
Temperature effect on zero balance (TK_0)	% of Cn/10K	±0.02	±0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	±0.02	±0.0170
Hysteresis error (d_{hy})	% of Cn	±0.0270	±0.0180
Non-linearity(d_{lin})	% of Cn	±0.0250	±0.0167
Creep(dcr) over 30 min.	% of Cn	±0.030	±0.0167
Input (R_{LC})&Output resistance (R_0)	**Ω**	**400±10 & 352±3**	
Nominal range of excitation voltage (Bu)	**V**	**5~12**	
Insulation resistance(Ris)at 50Vdc	MΩ	⩾5000	
Service temperature range (B_{tu})	℃	-30~70	
Safe load limit (E_L)&Breaking load(Ed)	% of Emax	120 & 200	
Protection class according to EN 60 529 (IEC 529)		**0.5t:IP67;1t~10t:IP68**	
Material		Option: Alloy steel,Stainless steel.	

Maximum capacity (Emax)	t	0.5	1	2	2.5	3	5	7.5	10
Deflection at Emax (snom) ,approx	mm	＜0.65				＜0.75		＜0.85	
Weight(G),approx	kg	1.0				2.1		4.2	
Cable： Diameter：ø6mm Length	m	3				4.2		5	

GML-DHH5

Features

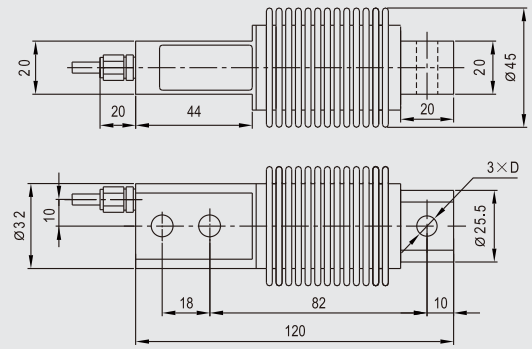
Compact installation at minnimum installation height
Easy installation.

With overload stop and stay rod,
Self-restoring due to pendulum bearing.

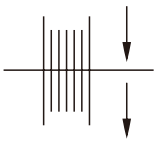
Option: Alloy steel,Stainless steel.

Material	Model
Alloy steel	GML-DHH5
Stainless steel	GML-DSH5

Unit:mm



Emax[kg]	D
10,20,50,75,100,200,250	ø8.2
300,500	ø10.2



hopper scale,belt scale,blending system

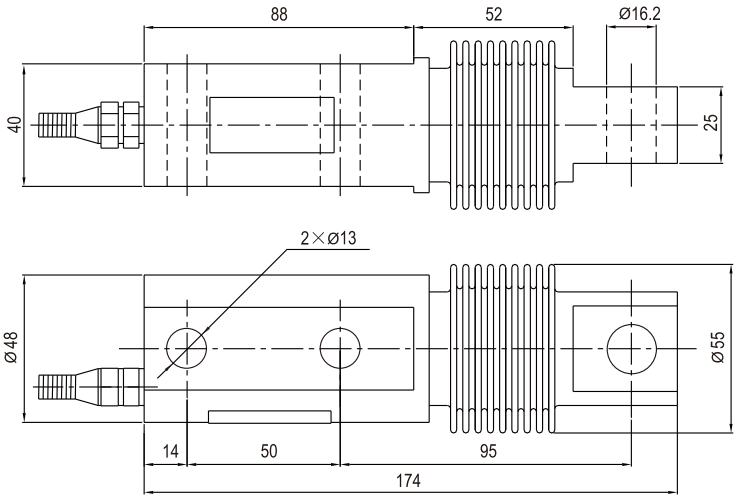
Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C2	C 3
Maximum capacity (Emax)	**kg**	**10,20,50,75,100,200,250,300,500,1000**	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	0.0100
Sensitivity (Cn) / Zero balance	**mV/V**	**2.0 ± 0.002 / 0 ± 0.02**	
Temperature effect on zero balance (TK0)	% of Cn/10K	±0.02	±0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	±0.02	±0.0170
Hysteresis error (d_{hy})	% of Cn	±0.0270	±0.0180
Non-linearity(d_{lin})	% of Cn	±0.0250	±0.0167
Creep(dcr) over 30 min.	% of Cn	±0.0233	±0.0167
Input (R_{LC}) & Output resistance (R_0)	**Ω**	**400±10 & 352±3**	
Nominal range of excitation voltage (Bu)	**V**	**5~12**	
Insulation resistance (Ris) at50Vdc	MΩ	⩾5000	
Service temperature range (B_{tu})	℃	-30~70	
Safe load limit (E_L) & Breaking load(Ed)	% of Emax	120 & 200	
Protection class according to EN 60 529 (IEC 529)		**IP68**	
Material		Option: Alloy steel,Stainless steel.	

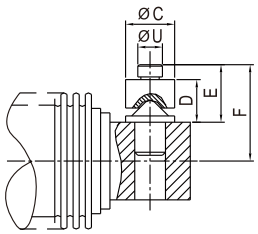
Maximum capacity (Emax)	kg	10	20	50	75	100	200	250	300	500	1000
Deflection at Emax (snom) ,approx	mm	0.31							0.39		0.55
Weight(G),approx	kg	0.5									1.9
Cable： Diameter：ø5mm Length	m	3									5

GML-DHH5 Structure

1000kg

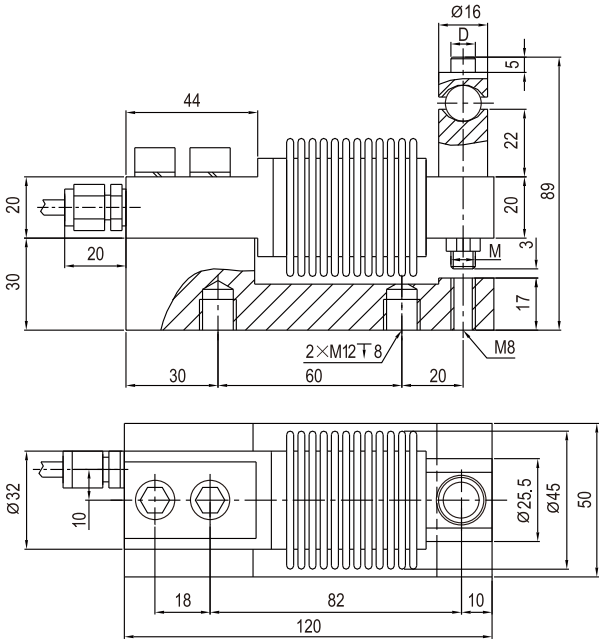


Cone and conical pan for Emax 10kg...1t.



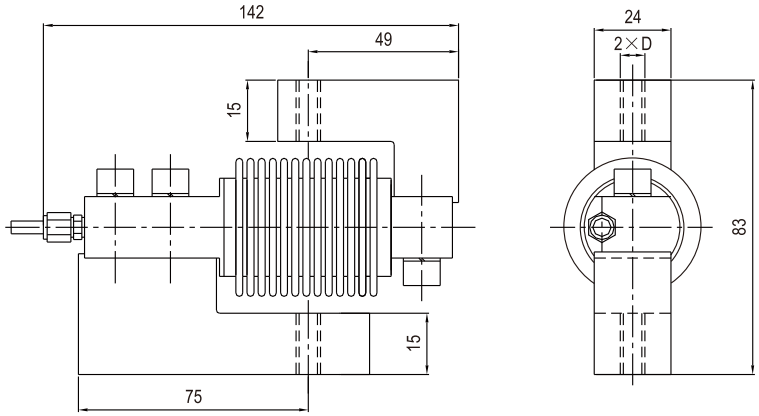
Emax	C	D	E	U	X
10~200kg	15	16	21	$8.1^{0}_{-0.05}$	26
300,500kg	18	24	32	$11^{0}_{-0.05}$	34
1t	18	24	32	$11^{0}_{-0.05}$	36.5

(10kg~500kg)



Emax[kg]	D	M
10,20,30,50,75 100,200,250	ø8	M8
300,500	ø10	M10

(10kg~500kg)



Emax[kg]	D
10,20,30,50,75 100,200,250	M8
300,500	M10

GML-DHH6

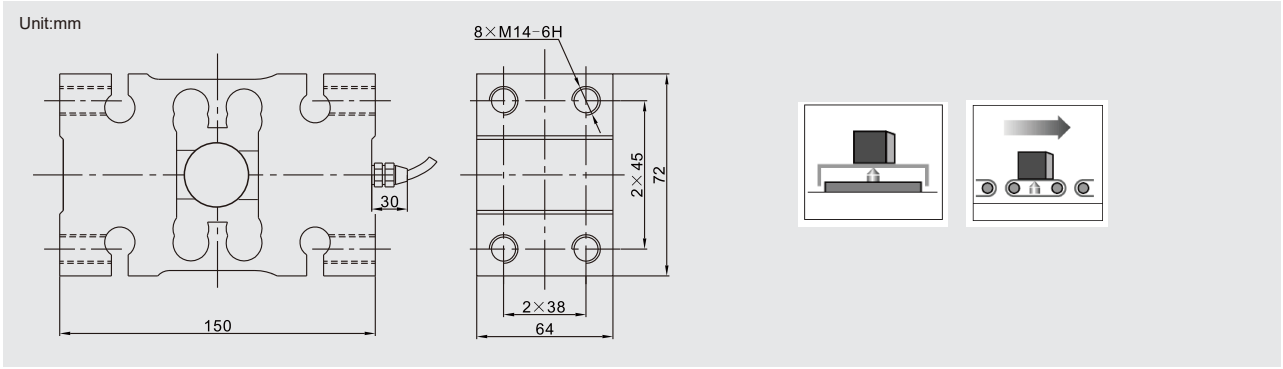
Features

Equipped with load cell ,Accuracy class C2,C3.

Compact installation at minnimum installation height.

Easy installation.

Alloy steel.



Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter					
Accuracy class		C 2			C 3		
Maximum capacity (Emax)	**kg**	50, 100, 200, 300, 500, 1000					
Sensitivity (Cn) / Zero balance	**mV/V**	**2.0 ± 0.2 / 0 ± 0.1**					
Temperature effect on zero balance (TK0)	% of Cn/10K	± 0.0175			± 0.0140		
Temperature effect on sensitivity (TKc)	% of Cn/10K	± 0.0175			± 0.0140		
Hysteresis error (d_{hy})	% of Cn	± 0.02			± 0.0150		
Non-linearity(d_{lin})	% of Cn	± 0.0270			± 0.0167		
Creep(dcr) over 30 min.	% of Cn	± 0.0250			± 0.0167		
Eccentric error	%	± 0.0233					
Input (R_{LC}) &Output resistance (R_0)	**Ω**	**400±15 & 352±3**					
Nominal range of excitation voltage (Bu)	**V**	**5~15**					
Insulation resistance (Ris) at50Vdc	MΩ	⩾ 5000					
Service temperature range (B_{tu})	℃	-20~50					
Safe load limit (E_L) & Breaking load(Ed)	% of Emax	120 & 200					
Protection class according to EN 60 529 (IEC 529)		**IP65**					
Material		Alloy steel.					

Maximum capacity (Emax)	kg	50	100	200	300	500	750
Min. load cell verification inter(vmin)	g	20	20	50	50	100	100
Maximum platform size	mm	800×800					
Deflection at Emax (snom) ,approx	mm	< 0.6					
Weight(G),approx	kg	4.3			4.5		
Cable : Diameter : ø5mm Length	m	3m					
Mounting:Cylindrical head screw		M14-10.9					
Tightening torque	N. m	35N.m					

GML-DHH8B

Features

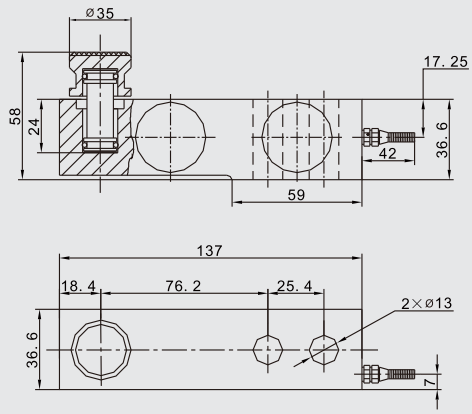
Compact installation at minnimum installation height.

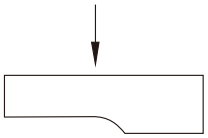
Easy installation.

Option: Alloy steel,Stainless steel.

Material	Model
Alloy steel	GML-DHH8B
Stainless steel	GML-DSH8B

Unit:mm





Floor scale, blending scale,
hopper scale, platform scale

Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C 2	C 3
Maximum capacity (Emax)	t	0.5,1,2	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	
Sensitivity (Cn) / Zero balance /	mV/V	2.0± 0.002 / 0± 0.02	
Temperature effect on zero balance (TK0)	% of Cn/10K	± 0.02	± 0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	± 0.02	± 0.0170
Hysteresis error (d_{hy})	% of Cn	± 0.0330	± 0.0180
Non-linearity(d_{lin})	% of Cn	± 0.0250	± 0.0167
Creep(dcr) over 30 min.	% of Cn	± 0.0233	± 0.0167
Input (RLC) &Output resistance (R0)	Ω	400±10 & 352 ±3	
Nominal range of excitation voltage (Bu)	V	5~15	
Insulation resistance (Ris) at50Vdc	MΩ	＞5000	
Service temperature range (Btu)	℃	-30~70	
Safe load limit (EL) & Breaking load(Ed)	% of Emax	150 & 200	
Protection class according to EN 60 529 (IEC 529)		IP68	
Material		Option: Alloy steel,Stainless steel.	

Maximum capacity (Emax)	t	0.5	1	2
Deflection at Emax (snom) ,approx	mm	＜0.5	＜0.5	＜0.6
Weight(G),approx	kg	1.3		
Cable： Diameter：ø6mm Length	m	3.5		

GML-DHH4ZS

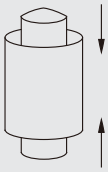
Features

Laser welded,IP68.
Self-restoring function,nominal loads:10t~50t.

Optimized for paralled connection by corner pre-adjustment
Meets EMC/ESD requirements according to EN 45 501.

Option: Alloy steel,Stainless steel.

Material	Model
Alloy steel	GML-DHH4ZS
Stainless steel	GML-DSH4ZS



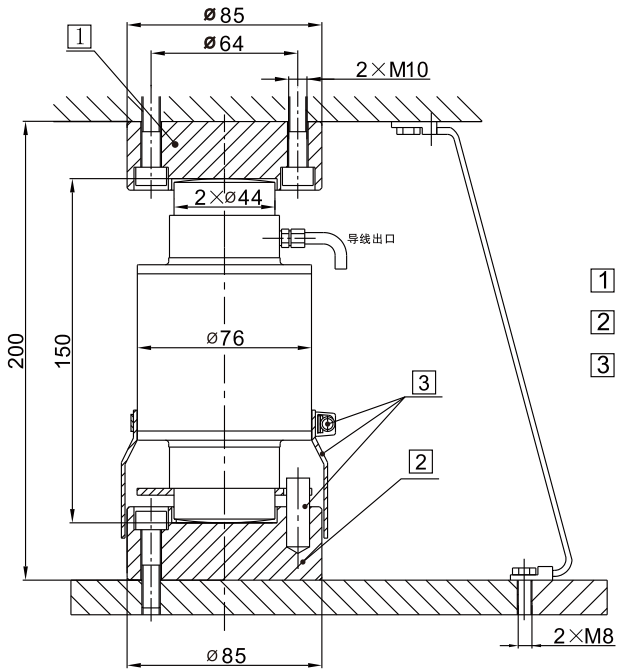
Truck scale,railway scale,axle wheel scale,floor scale

Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Item	Unit	Parameter	
Accuracy class		C 2	C 3
Maximum capacity (Emax)	**t**	**10,15,20,30,40,50**	
Minimum LC verification interval (Vmin)	% of Emax	0.0200	0.0100
Sensitivity (Cn) / Zero balance	**mV/V**	**2.0 ± 0.002 / 0 ± 0.02**	
Temperature effect on zero balance (TK0)	% of Cn/10K	±0.02	±0.0170
Temperature effect on sensitivity (TKc)	% of Cn/10K	±0.02	±0.0170
Hysteresis error (d_{hy})	% of Cn	±0.0270	±0.0180
Non-linearity(d_{lin})	% of Cn	±0.0250	±0.0167
Creep(dcr) over 30 min.	% of Cn	±0.030	±0.0167
Input (R_{LC}) & Output resistance (R_0)	**Ω**	**700±20 & 703±3.5**	
Nominal range of excitation voltage (Bu)	**V**	**5~12**	
Insulation resistance (Ris) at50Vdc	MΩ	＞5000	
Service temperature range (B_{tu})	℃	-30~70	
Safe load limit (E_L) & Breaking load(Ed)	% of Emax	150 & 250	
Protection class according to EN 60 529 (IEC 529)		**IP68**	
Material		Option: Alloy steel,Stainless steel.	

Maximum capacity (Emax)	t	10	15	20	30	40	50
Min. scale verification (emin) according to En45501 [...#=max. Number of load cells]	kg	5 [6#]	5 [6#]	5 [6#] 10 [8#]	10 [8#]	10 [6#] 20 [8#]	10 [4#] 20 [10#]
Recommended maximum weighing capacity of scale	t	20	30	50 80	100	120 150	100 200
Deflection at Emax (snom) ,approx	mm	0.55	0.55	0.65	0.75	0.85	0.85
Weight(G),approx	kg	2.8	3.2	3.2	3.6	3.6	3.8
Cable：Diameter：Ø5mm Length	m	10	12	12	14	16	16

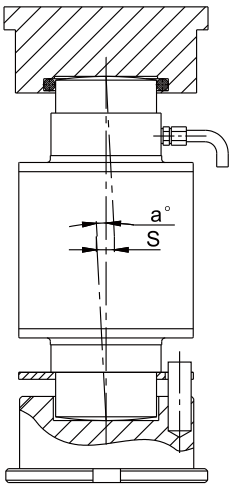
Mounting variation:
for (10~50)t



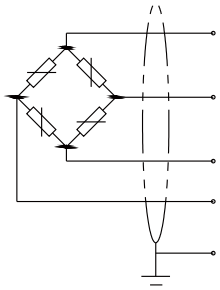
1 CTA/ZOU B1

2 CTA/ZOU2 B2

3 Dowel pin Φ10×30(rotation stop), flexible tube and tube clip enclosed in the packing of the load cell



Wiring code (4-wire circuit)



Excitation+ (red)

Signal+ (green)

Excitation- (black)

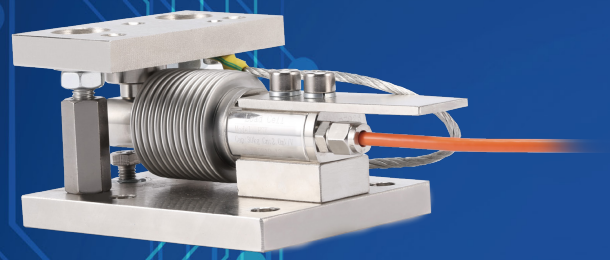
Signal- (white)

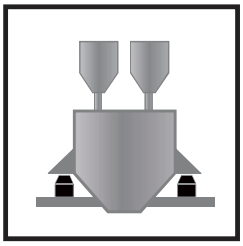
Shield /wire strand

Maximum capacity (Emax)	t	10	15	20	25	30	40	50
R ball	mm	130	130	160	160	160	180	180
amax	″ ° ″	4.8	4.8	4.8	4.8	4.8	4.8	4.5
Smax	mm	12	12	12	12	12	12	10.5
FR(%of applied load)	at Smax	6.3	6.3	9.8	9.8	9.8	12	12
	at S=1mm	0.48	0.48	0.75	0.75	0.75	0.93	0.93

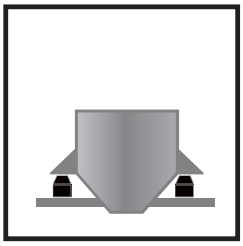
B

Weighing module

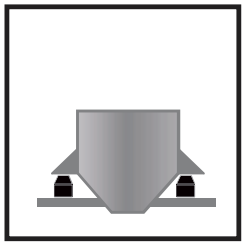




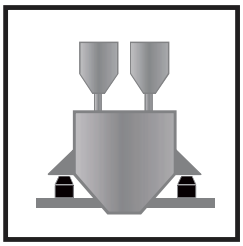
Hopper scale (small)



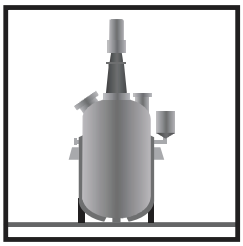
Hopper scale (medium)



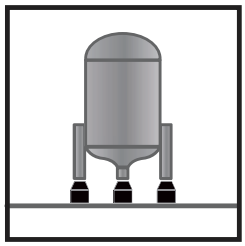
Hopper scale (large)



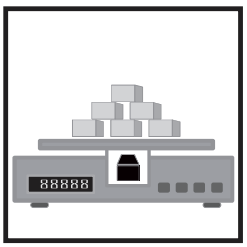
Batching scale



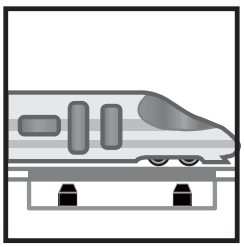
Silo scale



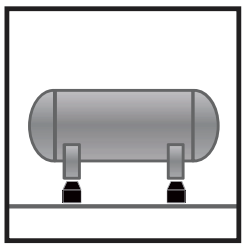
Silo scale



Platform scale



Railroad scale



Tank scale

GML-DHH8SB-M1

Features

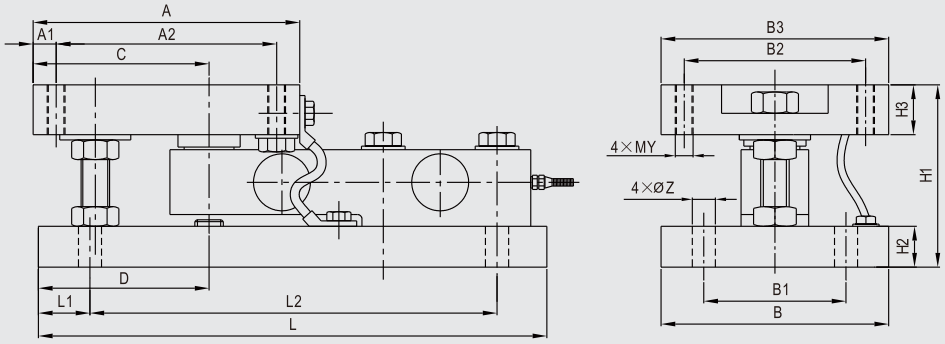
Equipped with load cell GML-DHH8SB,
Accuracy class C2,C3.

Compact installation at minnimum installation height.

Easy installation.

Option: Alloy steel,Stainless steel,
Wtih anti-liftoff device and lifting device.

Unit:mm



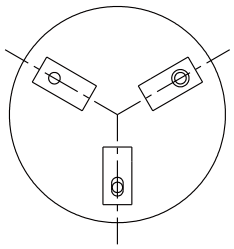
Emax [t]	A	A1	A2	C	D	L	L1	L2	B	B1	B2	B3	H1	H2	H3	Y	Z
0. 5,1,2	150	16	124	99	96	286	32	226	112	80	102	128	107	19	24	10	13
3	150	16	124	99	96	286	32	226	112	80	102	128	107	23	28	10	13
5,8	178	16	146	102	99	318	32	257	152	102	120	152	130	30	38	16	17
10,15	184	16	152	108	105	360	32	295	154	106	122	154	168	45	45	20	21

Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

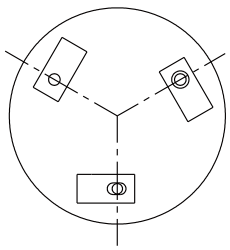
Maximum capacity	t	0.5	1	2	3	5	8	10	15
Limit load	% of Emax	150%							
Tatal error of load cells	% of Emax	±0.02,±0.03,±0.05							
Material		Alloy steel or Stainless steel.							
Cable :Diameter ø6mm Length	m	2.6			3.5	5.2	5.2	7	12

Mounting examples for weighing modules

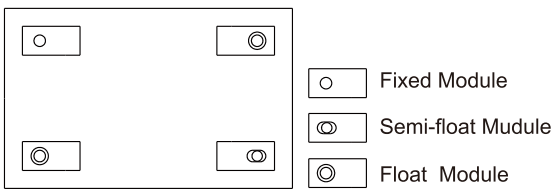
Radial install



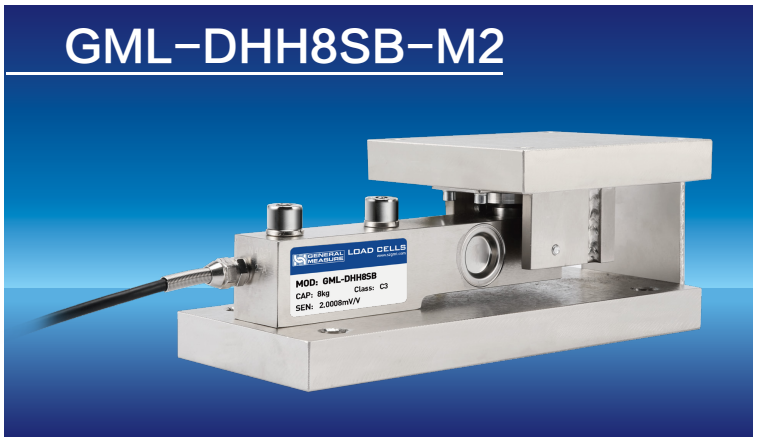
Cutting install



Rectangle install



GML-DHH8SB-M2



Features

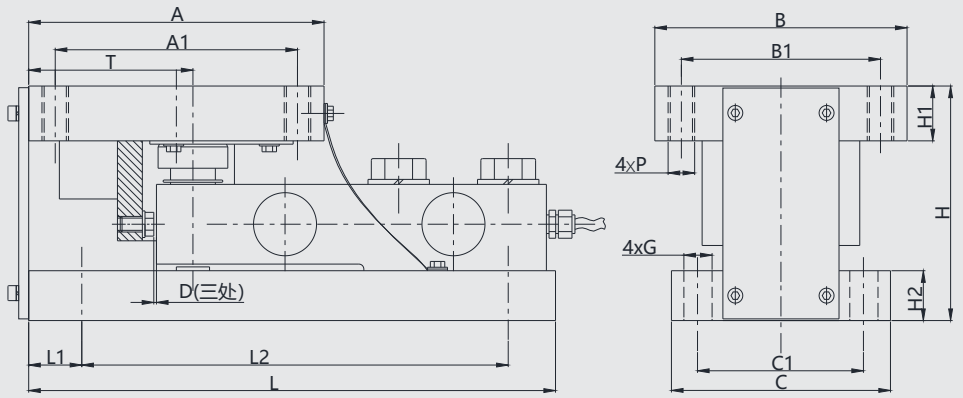
Equipped with self-restoring load cell GML-DHH8SB, Accuracy class C2,C3.

Compact installation at minnimum installation height.

Easy installation.

Option: Alloy steel,Stainless steel.

Unit:mm



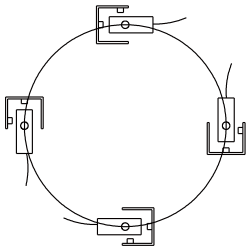
Emax [t]	A	A1	B	B1	T	L	L1	L2	C	C1	H	H1	H2	P	G	D
0.5,1,2	150	124	128	102	96	286	32	226	112	80	107	19	19	M10	ø13	1.6
3	150	124	128	102	96	286	32	226	112	80	107	24	23	M10	ø13	1.6
5,8	178	146	152	120	99	318	32	257	152	102	146	38	30	M16	ø17	1.6
10,15	184	152	154	122	105	360	32	295	154	106	216	45	45	M20	ø21	3

Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

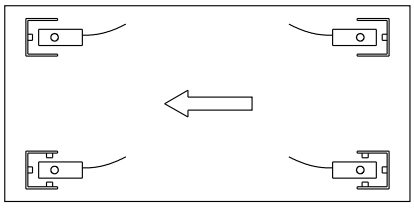
Maximum capacity	t	0.5	1	2	3	5	8	10	15
Limit load	% of Emax	150%							
Tatal error of load cells	% of Emax	±0.02,±0.03,±0.05							
Material		Alloy steel or Stainless steel.							
Cable : Diameter ø 6mm Length	m	2.6			3.5	5.2		7	12

Mounting examples for weighing modules

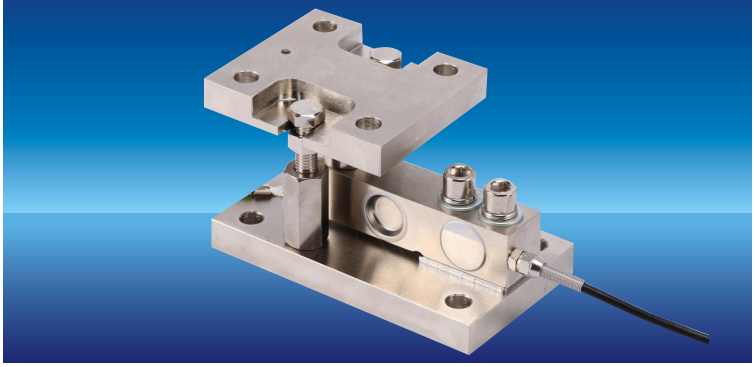
Cutting install



Rectangle Install



GML-DHH8Q-M



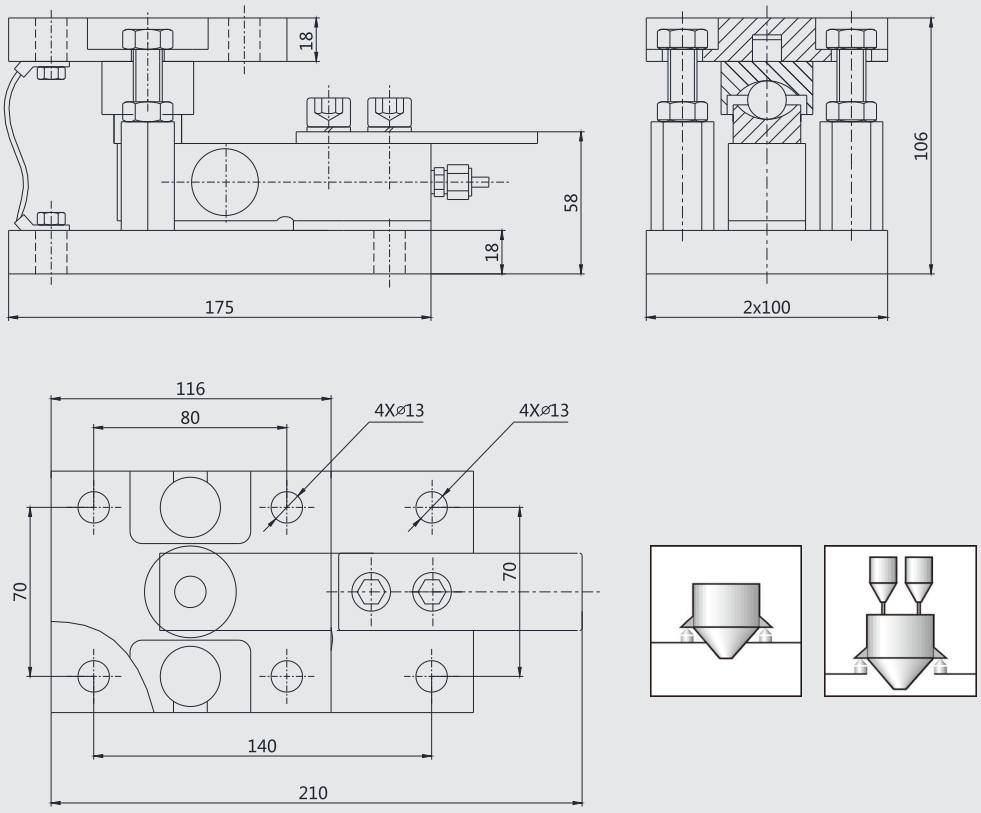
Features

Equipped with self-restoring load cell GML-DHH8SB, Accuracy class C2,C3 .

Compact installation at minnimum installation height.
Easy installation

Option: Alloy steel,Stainless steel,
Self-restoring due to pendulum bearing,
Wtih anti-liftoff device and lifting device.

Unit:mm



Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Maximum capacity	kg	100,200,250,300	500,1000,2000,2500
Limit load	% of Emax	120%	
Breaking load	% of Emax	200%	
Tatal error of load cells	% of Emax	±0.02,±0.03,±0.05	
Material 材料:		Alloy steel or Stainless steel.	
Weight (incl.load cell)	kg	7~8	
Adjustment range of the overload stop	mm	≤0.33	≤0.45
Cable : Diameter ⌀5mm Length	m	3	

GML-DHH8B-M

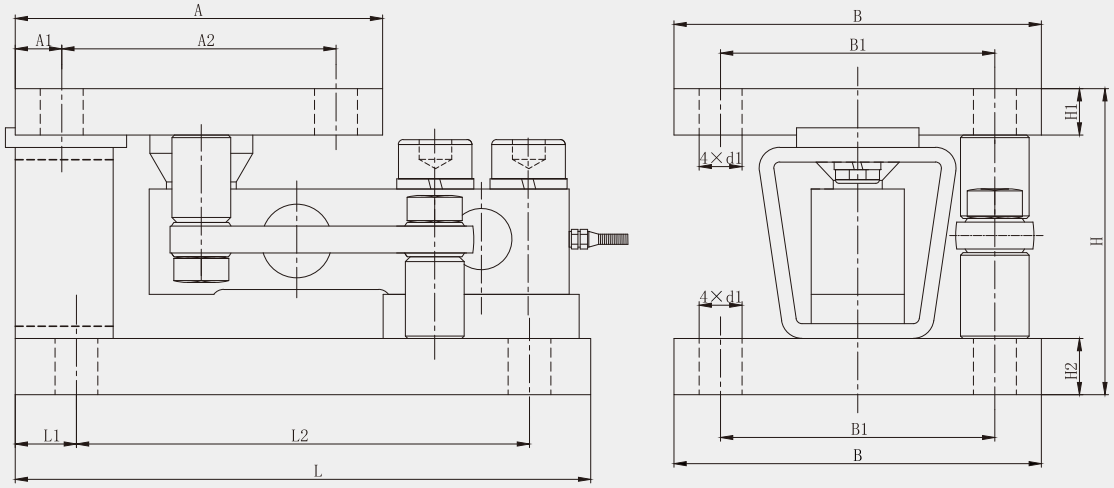
Features

Equipped with self-restoring load cell GML-DHH8B, Accuracy class C2,C3 .

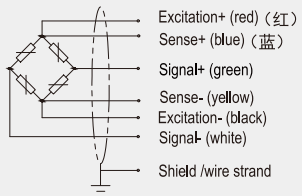
Compact installation at minnimum installation height. Easy installation.

Option: Alloy steel,Stainless steel,
Self-restoring due to pendulum bearing,
Wtih anti-liftoff device and lifting device.

Unit:mm



Wiring code (6-wire circuit)

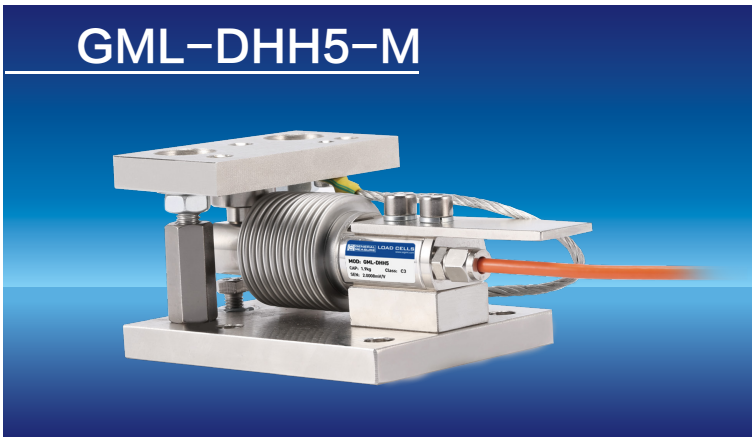


Emax[t]	A	A1	A2	L	L1	L2	B	B1	H	H1	H2	d1
0.5,1,2	114	12.5	89	177.5	12.5	152.5	114	89	105	17	17	Ø13
3	114	12.5	89	177.5	12.5	152.5	114	89	108	19	19	Ø13
4.4	150	18	112	235	25	185	150	112	125	19	22	Ø17.5
7.5	150	18	112	235	25	185	150	112	135	22	29	Ø17.5

Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Maximum capacity	t	0.5, 1, 2, 4.4, 7.5
Limit load	% of Emax	150%
Breaking load	% of Emax	200%
Tatal error of load cells	% of Emax	±0.02,±0.03,±0.05
Material		Alloy steel or Stainless steel.
Cable : Diameter ø5mm Length	m	3.5

GML-DHH5-M

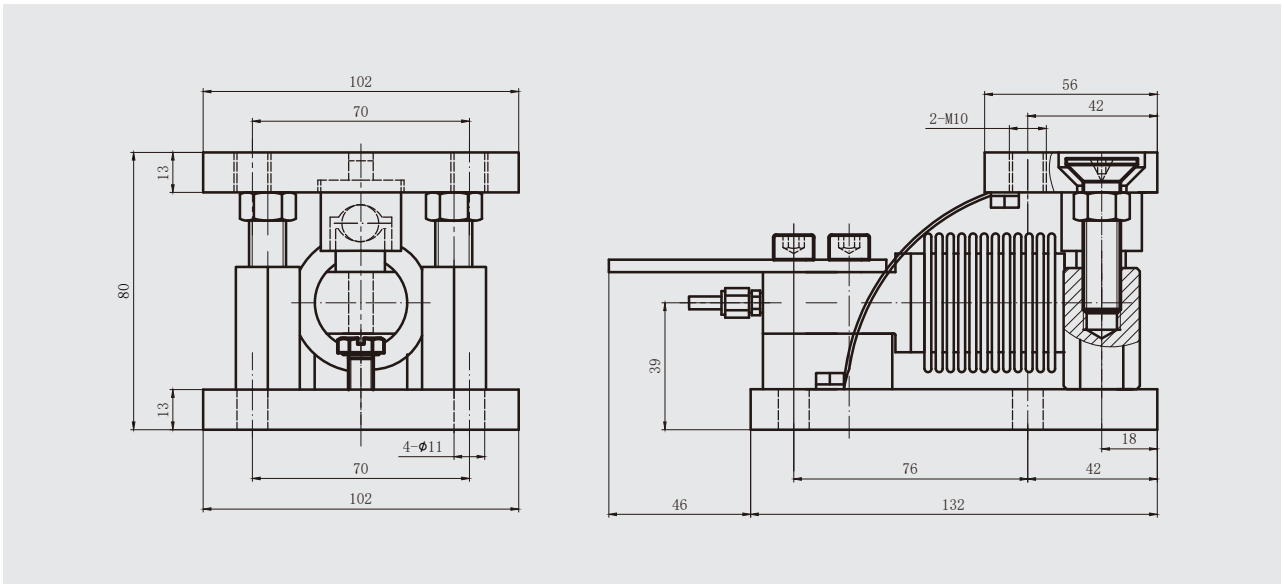


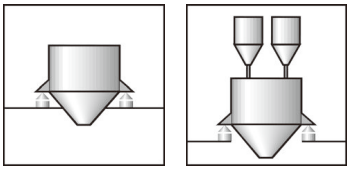
Features

Equipped with self-restoring load cell GML-DSH5, Accuracy class C2,C3 .

Compact installation at minnimum installation height. Easy installation.

Option: Alloy steel,Stainless steel,
Self-restoring due to pendulum bearing,
Wtih anti-liftoff device and lifting device.





Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Maximum capacity	kg	50	75	100	200	250	300	500
Limit load	% of Emax	120%						
Breaking load	% of Emax	200%						
Tatal error of load cells	% of Emax	±0.02,±0.03,±0.05						
Material		Option: Alloy steel,Stainless steel.						
Weight (incl.load cell)	kg	8~9						
Adjustment range of the overload stop	mm	≤0.33		≤0.25		≤0.45		≤0.8
Cable : Diameter⌀5mm Length	m	3						

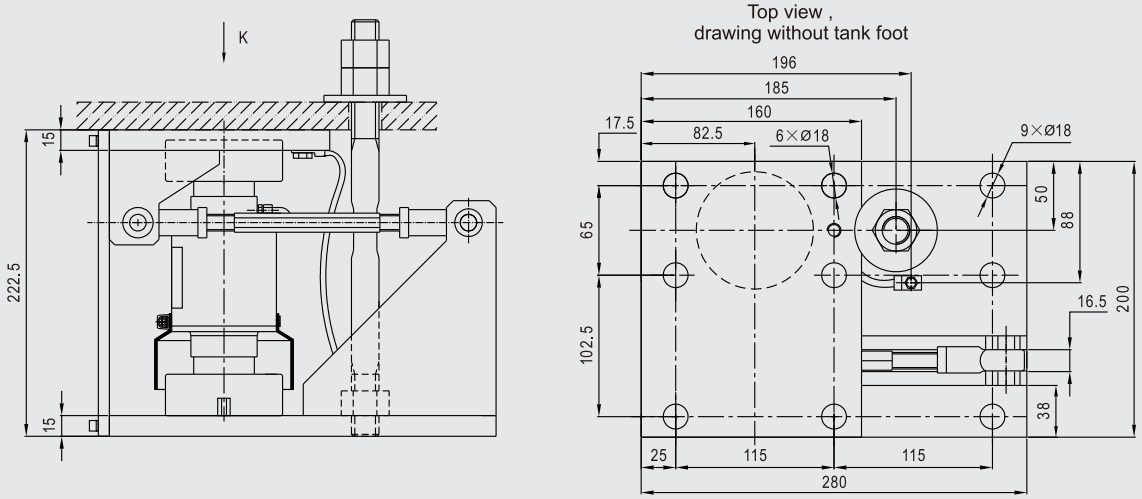
GML-DHH4ZS-M

Features

Equipped with self-restoring rocker pin load cell GML-DHH4ZS, Accuracy class C2,C3 .

Compact installation at minnimum installation height.
Easy installation.

Option: Alloy steel,Stainless steel,
Designed for lift-off device,
Stay rod included in the scope of supply.

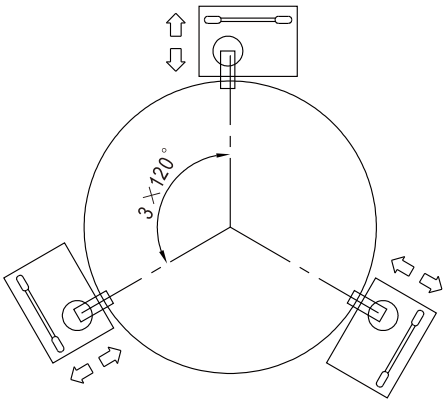


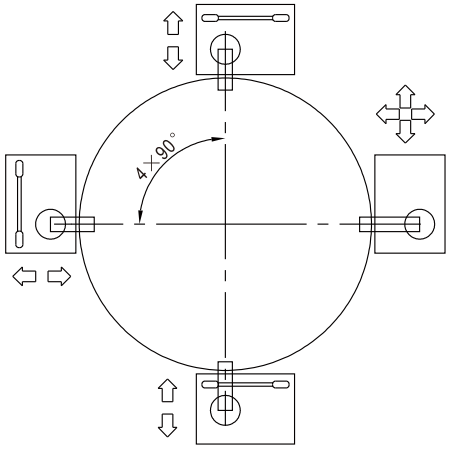
Specifications Exc+ (Red); Exc-(Black); Sig+ (Green); Sig- (White)

Maximum capacity	t	10	20	25	30	40	50
Limit load	% of Maximum capacity	150%					
Restoring force (at 1mm side offset vertically to the control arm direction)	% of Applied load	0.45	0.49	0.65	0.76	0.94	0.98
Maximum permissible side offset transverse to the control arm axis	mm	4.0					
Maximum permissible horizontal force in the control arm direction	kN	50					
Max. permissible lifting force (when a lift-off device is used)	kN	80					
Material		Option: Alloy steel,Stainless steel.					
Weight(G),approx	kg	19					
Cable : Diameter ø 6mm Length	m	10	12		14	16	

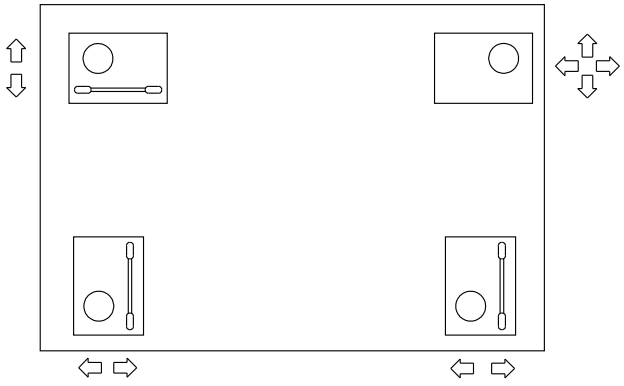
Mounting examples for weighing modules with stay rods:

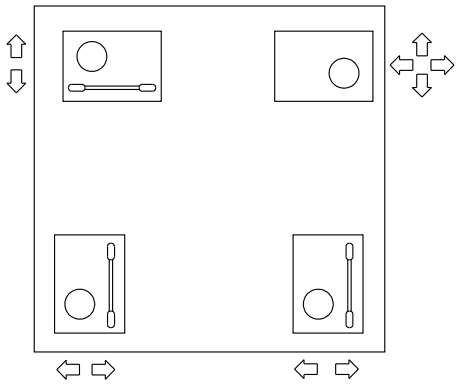
Cylindrical arrangement of the weighing module below tanks





Rectangular arrangement of the weighing module below tanks





Remark : Stay rod

Load introduction Degree of freedom

Further accessory:

Fixed bearings with the same installation height as the weighing module.

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