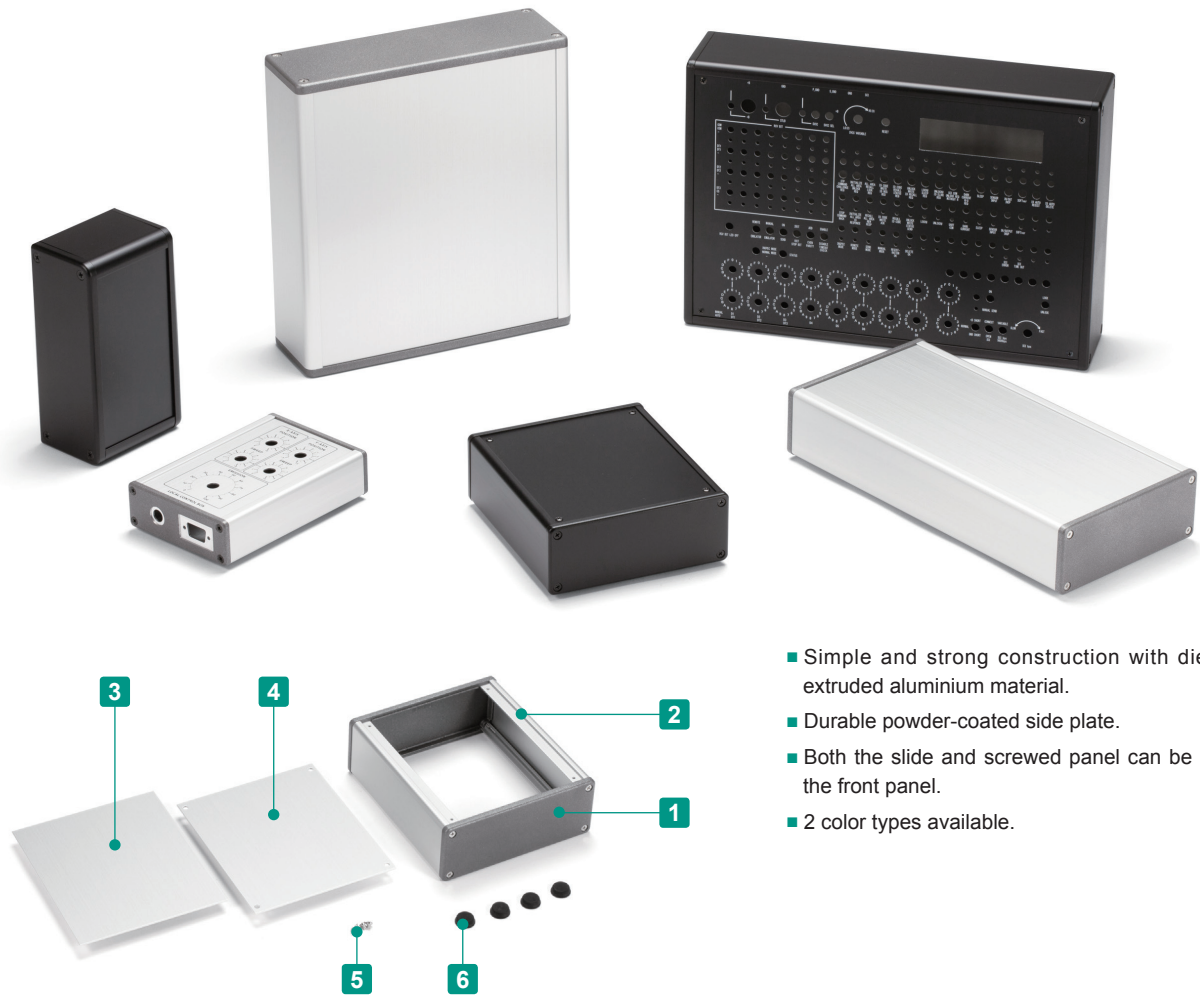


CH SERIES

ALUMINIUM CONTROL BOX



- Simple and strong construction with diecast and extruded aluminium material.
- Durable powder-coated side plate.
- Both the slide and screwed panel can be utilized as the front panel.
- 2 color types available.

Components

No.	Part name	Pcs	Material	Color / Finish
1	Side plate	2	Diecast aluminium ADC12	Black • Metallic gray / Powder coated
2	Frame	2	Extruded aluminium A6063S-T5	Black / Anodized • Silver / Hairline brushed & Anodized
3	Slide panel	1	Aluminium A1100P • A1050P	Black / Painted • Silver / Hairline brushed & Anodized
4	Screwed panel	1	Aluminium A1100P • A1050P	Black / Painted • Silver / Hairline brushed & Anodized
5	Screw	1 set	Steel	Black trivalent chromate • Nickel plated
6	Rubber feet	4	Synthetic rubber	Black

■ Note: panels are covered with a protective film on one side. Remove before assembly.

※CH7 models come with copper plated screws for grounding.

APPLICATION EXAMPLE

WAVEFORM ANALYZER



Product by Graviton Inc. (Japan)

CNC MACHINING CENTER CONTROL UNIT

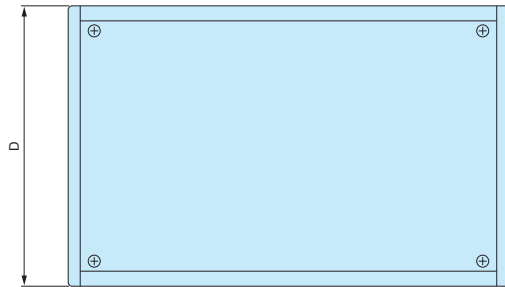
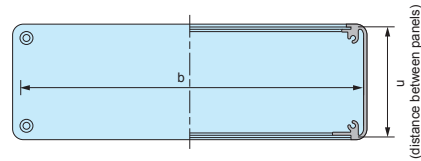
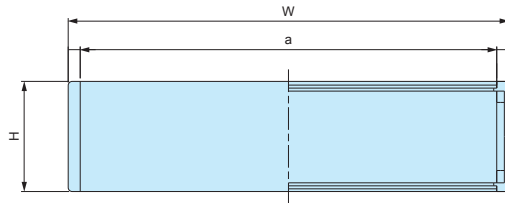


Product by FNS Co. Ltd. (Japan)



CH dimensions

■ Drawings below are reference examples only.
DXF/DWG/PDF drawings available on our website.



Included screws

CH4 • CH6 models

M3-5 Slotted raised countersunk • Black trivalent chromate x 4 pcs
M3-5 Slotted raised countersunk • Nickel plated x 4 pcs
M3-10 countersunk • Black trivalent chromate x 8 pcs
M3-10 countersunk • Nickel plated x 8 pcs

CH7 • CH8 models

M3-5 Slotted raised countersunk • Black trivalent chromate x 4 pcs
M3-5 Slotted raised countersunk • Nickel plated x 4 pcs
M4-12 countersunk • Black trivalent chromate x 8 pcs
M4-12 countersunk • Nickel plated x 8 pcs

Product no. / Dimensions

Product no.		W	H	D	a	b	u	Weight (kg)
● Black (BBP)	● Gray-Silver(GSP)							
CH4- 7-10BBP	CH4- 7-10GSP	70	36.5	100.5	60	96.4	30.5	0.15
CH4-10-10BBP	CH4-10-10GSP	100	36.5	100.5	90	96.4	30.5	0.20
CH4-15-10BBP	CH4-15-10GSP	150	36.5	100.5	140	96.4	30.5	0.27
CH4-20-10BBP	CH4-20-10GSP	200	36.5	100.5	190	96.4	30.5	0.35
CH4-25-10BBP	CH4-25-10GSP	250	36.5	100.5	240	96.4	30.5	0.42
CH6- 8-14BBP	CH6- 8-14GSP	80	55	140.7	68	135.7	48.8	0.25
CH6-11-14BBP	CH6-11-14GSP	110	55	140.7	98	135.7	48.8	0.31
CH6-16-14BBP	CH6-16-14GSP	160	55	140.7	148	135.7	48.8	0.41
CH6-22-14BBP	CH6-22-14GSP	220	55	140.7	208	135.7	48.8	0.53
CH6-29-14BBP	CH6-29-14GSP	290	55	140.7	278	135.7	48.8	0.67

Product no.		W	H	D	a	b	u	Weight (kg)
● Black (BBP)	● Gray-Silver(GSP)							
CH7- 9-17BBP	CH7- 9-17GSP	90	65.5	168.5	74	164.4	58	0.50
CH7-12-17BBP	CH7-12-17GSP	120	65.5	168.5	104	164.4	58	0.58
CH7-17-17BBP	CH7-17-17GSP	170	65.5	168.5	154	164.4	58	0.72
CH7-25-17BBP	CH7-25-17GSP	250	65.5	168.5	234	164.4	58	0.94
CH7-33-17BBP	CH7-33-17GSP	330	65.5	168.5	314	164.4	58	1.16
CH8-15-23BBP	CH8-15-23GSP	150	75	230.6	134	226.1	68.8	0.74
CH8-25-23BBP	CH8-25-23GSP	250	75	230.6	234	226.1	68.8	1.06
CH8-33-23BBP	CH8-33-23GSP	330	75	230.6	314	226.1	68.8	1.31
CH8-43-23BBP	CH8-43-23GSP	430	75	230.6	414	226.1	68.8	1.63

Accessories (Optional parts)

MR SERIES

TORX SCREW



- Material / Finish : Steel / Nickel plated
- TORX screw set for 1 unit.
- Recommended for aesthetic purposes, or for tamper-resistance.
- Requires the use of a specialized screwdriver.

Suitable Enclosures

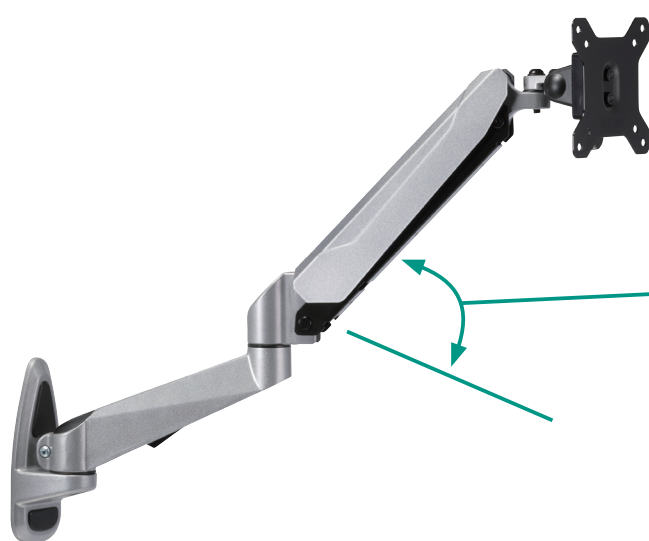
Product no.	Suitable enclosures
MR-3CS	CH4 and CH6 models
MR-4CS	CH7 and CH8 models

Product no. / Dimensions

Product no.	Included screws	TORX head no.
MR-3CS	M3-10 countersunk x 8 pcs • M3-5 Slotted raised countersunk x 4 pcs	T10 (M3)
MR-4CS	M4-12 countersunk x 8 pcs • M3-5 Slotted raised countersunk x 4 pcs	T10 (M3) • T20 (M4)

MAR series**WALL MOUNT SUPPORT ARM**

- Wall mount support arm move easily to the preferred positions.
- Suitable for command panel on machinery and touch panel controller. Easy installation onto the wall as well.
- Hole pitch on the monitor bracket is compatible with VESA mount standards. Possible to mount PC display without modification.

MAR specifications**MAR-312W**

Adjustable bolt for up/down direction on arm is firmly set initially.
Adjust the movement according to the installed device.

Arm can move in up/down direction.

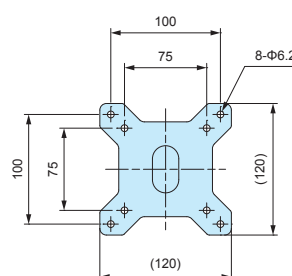
Arm full length ~ 612mm

Max load : 6.5kg (including product weight, adjustable bolt firmly locked)

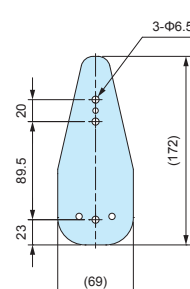
Material : Steel • Plastic • Aluminium diecast

*Wall mounting screws included.

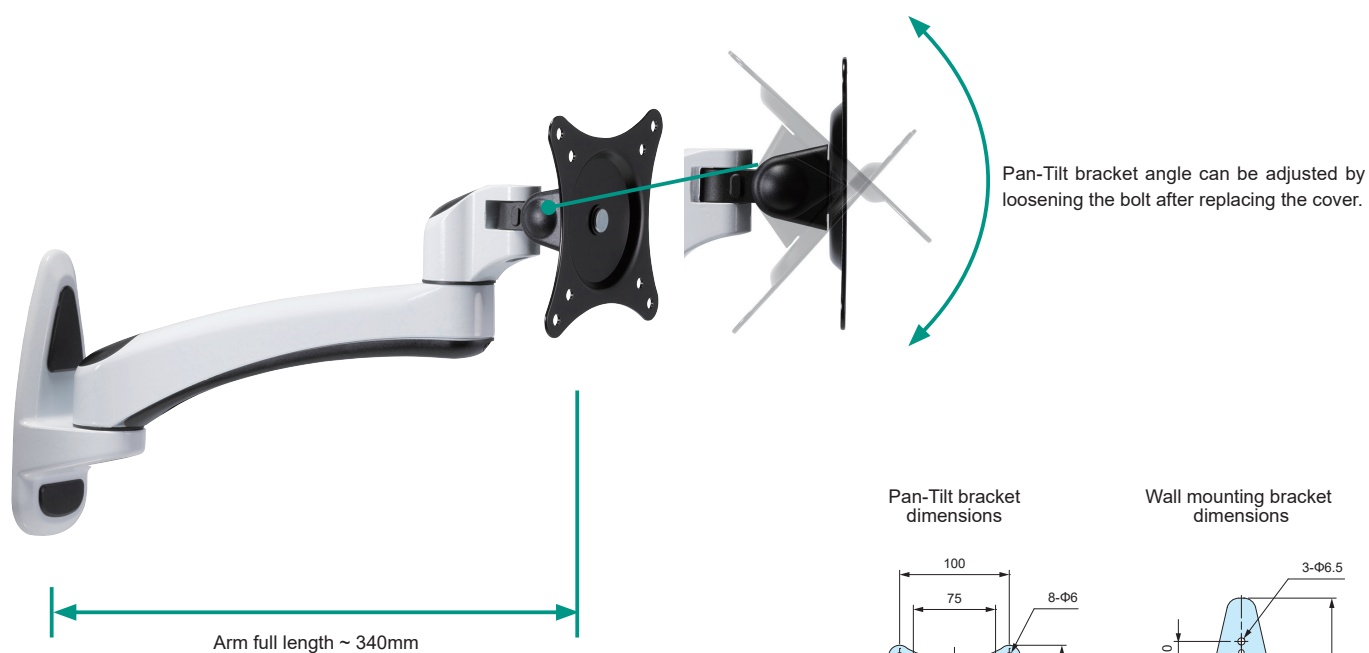
Pan-Tilt bracket dimensions



Wall mounting bracket dimensions

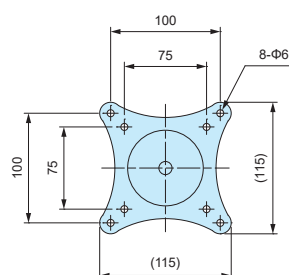


MAR-111W

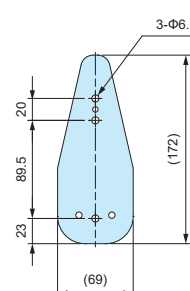


Max load : 8kg (including product weight)
 Material : Steel • Plastic • Aluminium diecast
 *Wall mounting screws included.

Pan-Tilt bracket dimensions



Wall mounting bracket dimensions

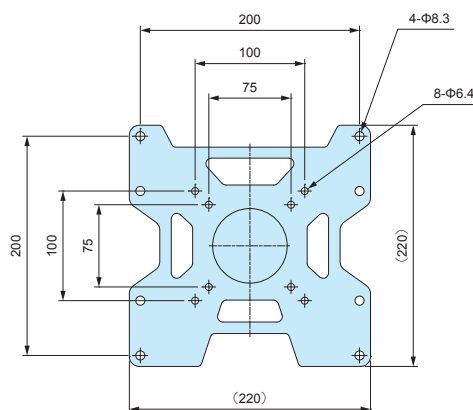


MAR-110W

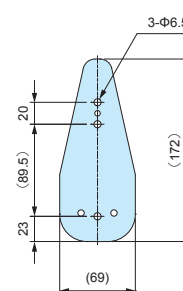


*Pan-Tilt bracket does not move in up/down direction.

Pan-Tilt bracket dimensions



Wall mounting bracket dimensions



Max load : 8kg (including product weight)
 Material : Steel • Plastic • Aluminium diecast
 *Wall mounting screws included.

Product no. / Details

Product no.	Arm full length	Arm color	Weight (kg)
MAR-312W	~ 612mm	Metallic gray	2.2
MAR-111W	~ 340mm	White / Black	1.0
MAR-110W	~ 143mm	White / Black	1.0