

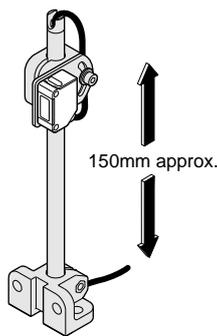
MS-AJ SERIES

Universal Sensor Mounting Stand

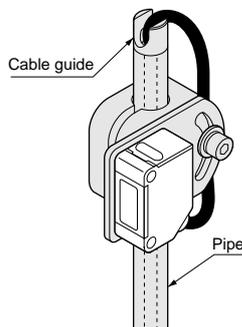


Simple Mounting and Easy Adjustment with Versatile Mounting Stand

Flexible Height Adjustment



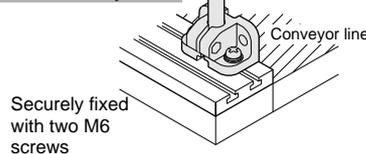
Cable can be Neatly Threaded into Pipe



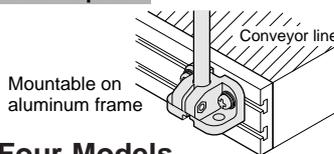
Note: Do not thread the fiber cable into the pipe in case of MS-AJ-F (assembly for fiber).

Mountable on Vertical or Horizontal Plane

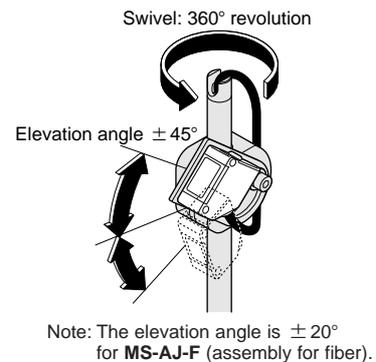
Mounting on horizontal plane



Mounting on vertical plane



Flexible Angle Adjustment



Four Models

MS-AJ (Basic assembly)

It is used to mount CX-20, CX-30, EQ-20, EX-40 and EZ-10 series sensors, and the RF-210 reflector.

MS-AJ-A (Lateral arm assembly)

A lateral arm is added to the MS-AJ basic assembly. Sensing is possible from above an assembly line.

MS-AJ-M (Assembly for reflector)

The MS-AJ basic assembly is modified to mount a reflector. It can be used for RF-220 and RF-230 reflector.

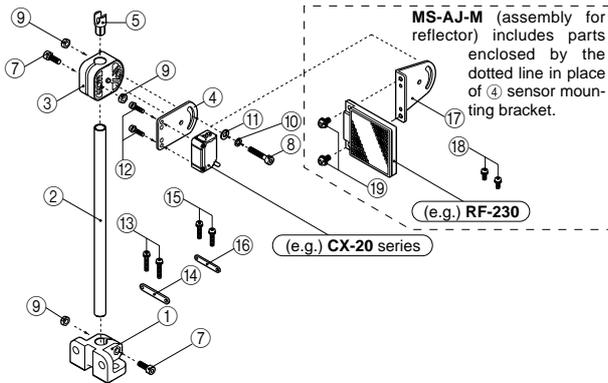
MS-AJ-F (Assembly for fiber)

The sensor mounting bracket of MS-AJ-A is replaced with a fiber mounting bracket. It can be used with FD-L51, FD-L52, FD-L53, FD-L54 and M3, M4 or M6 threaded head fiber.

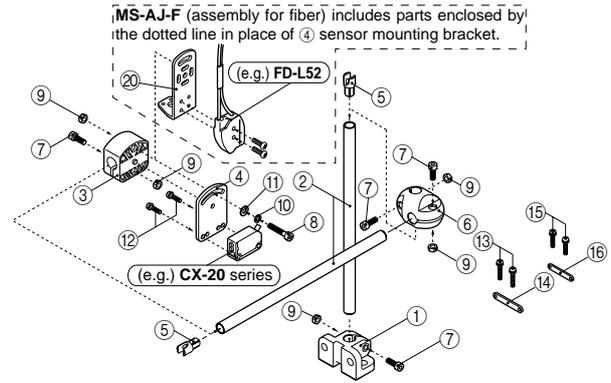


STRUCTURE

MS-AJ, MS-AJ-M



MS-AJ-A, MS-AJ-F



Designation	Type	Model No.	Assembly sets				Components							
			MS-AJ (Basic assembly)	MS-AJ-A (Lateral arm assembly)	MS-AJ-M (Assembly for reflector)	MS-AJ-F (Assembly for fiber)	MS-AJS (Sensor mounting unit)	MS-AJR (Reflector mounting unit)	MS-AJD (Fiber mounting unit)	MS-FD-1 (Fiber mounting bracket)	MS-AJL (Arm joint unit)	MS-AJB (Base unit)	MS-AJG (Cable guide)	MS-AJP (Arm (Pipe))
① Base			1	1	1	1	—	—	—	—	—	1	—	—
② Arm (Pipe)			1	2	1	2	—	—	—	—	—	—	—	1
③ Attachment			1	1	1	1	1	1	1	—	—	—	—	—
④ Sensor mounting bracket			1	1	—	—	1	—	—	—	—	—	—	—
⑤ Cable guide			1	2	1	2	—	—	—	—	—	1	—	—
⑥ Arm joint			—	1	—	1	—	—	—	1	—	—	—	—
⑦ M4 (length 12mm) hexagon-socket-head bolt			2	4	2	4	1	1	1	—	2	1	—	—
⑧ M4 (length 22mm) hexagon-socket-head bolt			1	1	1	1	1	1	1	—	—	1	—	—
⑨ M4 nut			3	5	3	5	2	2	2	—	2	1	—	—
⑩ M4 spring washer			1	1	1	1	1	1	1	—	—	—	—	—
⑪ M4 plain washer			1	1	1	1	1	1	1	—	—	—	—	—
⑫ M3 (length 14mm) screw with washers for CX-20, CX-30 and EZ-10 series			2	2	—	—	2	—	—	—	—	—	—	—
⑬ M3 (length 18mm) screw with washers for EQ-20 series			2	2	—	—	2	—	—	—	—	—	—	—
⑭ Auxiliary mounting plate for EQ-20 series			1	1	—	—	1	—	—	—	—	—	—	—
⑮ M3 (length 16mm) screw with washers for EX-40 series			2	2	—	—	2	—	—	—	—	—	—	—
⑯ Auxiliary mounting plate for EX-40 series			1	1	—	—	1	—	—	—	—	—	—	—
⑰ Reflector mounting bracket			—	—	1	—	—	—	—	—	—	—	—	—
⑱ M3 (length 8mm) screw with washers for RF-220			—	—	2	—	—	—	—	—	—	—	—	—
⑲ M4 (length 8mm) screw with washers for RF-230			—	—	2	—	—	—	—	—	—	—	—	—
⑳ Fiber mounting bracket			—	—	—	1	—	—	1	—	—	—	—	—

Note: The numbers shown in the table above indicate the quantities of the respective parts.

ORDER GUIDE

Type	Appearance	Model No.	Applicable sensor, reflector and fiber
Basic assembly		MS-AJ	CX-20 series CX-30 series EQ-20 series EX-40 series EZ-10 series
Lateral arm assembly		MS-AJ-A	RF-210 (Reflector)
Assembly for reflector		MS-AJ-M	RF-220 (Reflector) RF-230 (Reflector)
Assembly for fiber		MS-AJ-F	FD-L51 (Fiber) FD-L52 (Fiber) FD-L53 (Fiber) FD-L54 (Fiber) M3, M4 and M6 threaded head fibers

Individual components are also available as follows

Designation	Appearance	Model No.
Sensor mounting unit		MS-AJS
Reflector mounting unit		MS-AJR
Fiber mounting unit		MS-AJD
Fiber mounting bracket		MS-FD-1
Arm joint unit		MS-AJL
Base unit		MS-AJB
Cable guide		MS-AJG
Arm (Pipe)		MS-AJP

Sensor Mounting Stand
MS-AJ

Micro
PM

PM2

Multi-voltage Type
NX5

VF

Amplifier-separated Type
SU-7/SH

SS-A5

Sensor Checker
CHX-SC2

MS-AJ

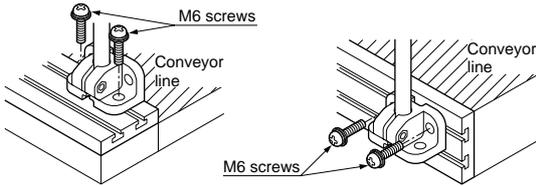
PRECAUTIONS FOR PROPER USE

Mounting

- To mount the universal sensor mounting stand on your equipment, use M6 screws. The tightening torque should be 2.5N·m or less.

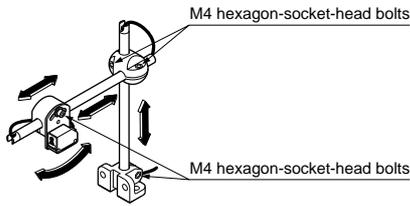
Mounting on horizontal plane

Mounting on vertical plane



Adjustment

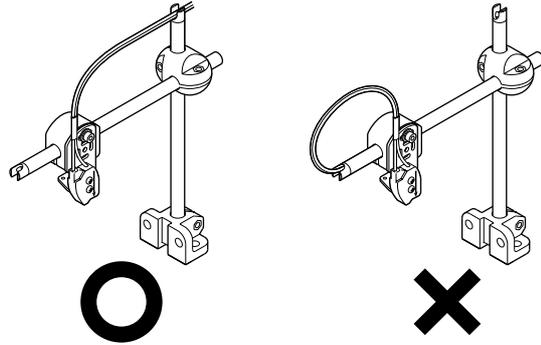
- Arm, attachment, base and arm joint can be adjusted as shown by the arrows in the figure below by loosening the M4 hexagon-socket-head bolts.



- After the adjustment, the tightening torque of the M4 hexagon-socket-head bolts should be 1.2N·m or less.

Threading cable into pipe

- When the sensor is mounted on **MS-AJ** (basic assembly) or on **MS-AJ-A** (lateral arm assembly), the sensor cable can be threaded through the pipe. However, do not thread the fiber cable through the pipe when a fiber head is mounted on **MS-AJ-F** (assembly for fiber).



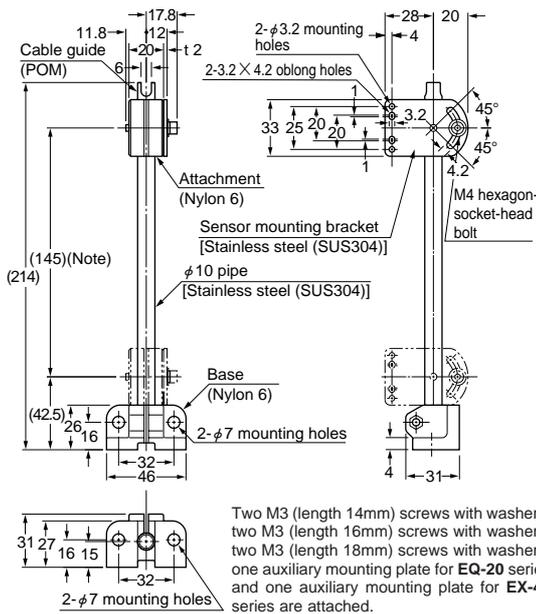
Others

- Do not apply excessive force on any part of the universal sensor mounting stand.
- When using this stand, take care that excessive vibration is not applied to the sensor.

DIMENSIONS (Unit: mm)

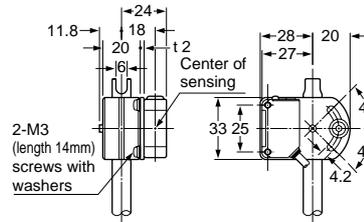
MS-AJ

Basic assembly

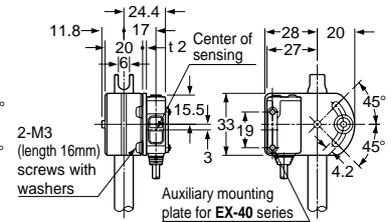


Note: The dimensions in the brackets indicate the adjustable range of the movable part.

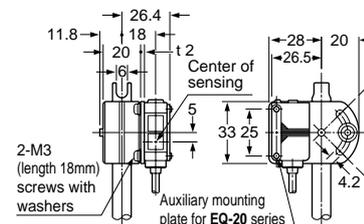
Assembly dimensions with CX-20 series, CX-30 series, EZ-10 series (Mounting part only)



Assembly dimensions with EX-40 series (Mounting part only)



Assembly dimensions with EQ-20 series (Mounting part only)



Assembly dimensions with RF-210 (Reflector) (Mounting part only)

