

MST (Retroreflective Tape)

NEW

■ Features

- Easy attached at curved surface or narrow space
- Available to cut the tape according to the environment
- High retroreflective performance per unit

MST-50-10
(50×50mm)

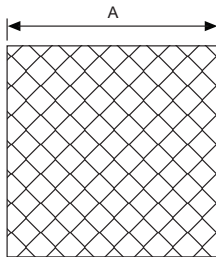
MST-100-5
(100×100mm)

MST-200-2
(200×200mm)

■ Specifications

Model	MST-50-10	MST-100-5	MST-200-2
Applied sensor	Standard type: BM1M-MDT, BMS2M-MDT, BR3M-MDT, BEN5M-MDT, BX5M-MDT, BTS-MDT Retroreflective type (Built-in polarizing filter): BJ3M-PDT, BEN3M-PDT, BX3M-PDT		
Size	50×50mm	100×100mm	200×200mm
Material	Surface film: PMMA, Prism layer: PC, Adhesive layer: Acrylic		
Environment	Ambient temperature: -35 to 65°C (Available temperature: 10 to 30°C)		
Packaging (per unit)	10ea	5ea	2ea

■ Dimensions



(unit: mm)

	A
MST-50-10	□50
MST-100-5	□100
MST-200-2	□200

※There may be a ±0.02mm error in thickness dimension.

■ Reflectivity By Reflective Tape Model

○ Standard type

Model	BM1M-MDT	BMS2M-MDT-□	BR3M-MDT-□	BEN5M-MDT	BX5M-MDT-□	BTS200-MDTL-□
MST-50-10	70%	90%	80%	90%	90%	95%
MST-100-5	110%	120%	120%	130%	100%	100%
MST-200-2	170%	190%	140%	140%	110%	100%

○ Retroreflective type (built-in polarizing filter)

Model	BJ3M-PDT-□	BEN3M-PDT	BX3M-PDT-□
MST-50-10	40%	70%	30%
MST-100-5	60%	90%	40%
MST-200-2	100%	120%	60%

※The reflective tape has higher reflectivity due to bigger size than the reflector.

※Reflectivity may vary depending on usage environment, installation conditions, and reflective tape size.

※Generally, the sensing distance and minimum sensing target size increase as tape size increases.

※For using reflective tape, installation distance should be min. 20mm.

(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/ Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho / Speed / Pulse Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching Mode Power Supplies

(Q) Stepper Motors & Drivers & Controllers

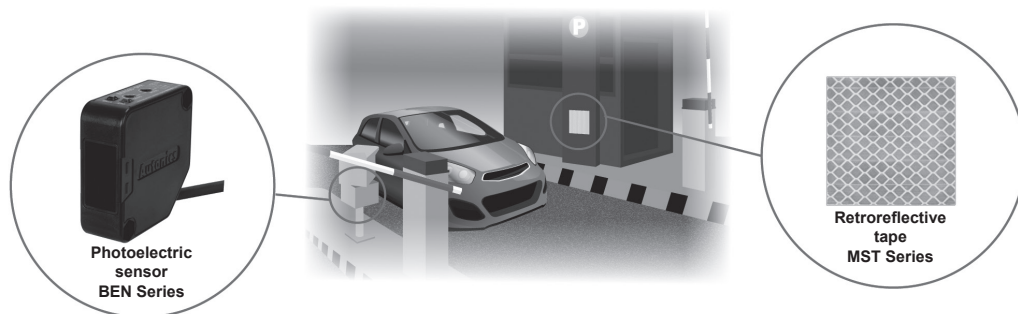
(R) Graphic/ Logic Panels

(S) Field Network Devices

(T) Software

MST Series

■ Applications



■ Proper Usage

- Please clean the adhesive side of the reflective tape with a dry cloth before applying the tape.
- Do not press prism layer of the tape.
- Please clean the tape regularly to maintain optimal performance.
When cleaning, please use neutral detergents only. DO NOT use chemical solvents.
- If the reflective surface is damaged, performance may decline.