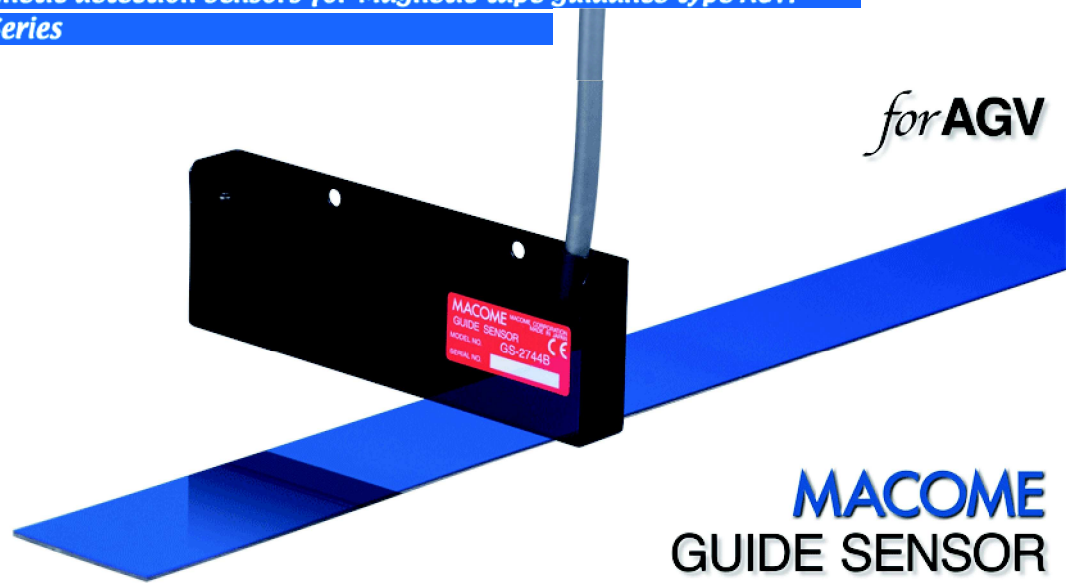


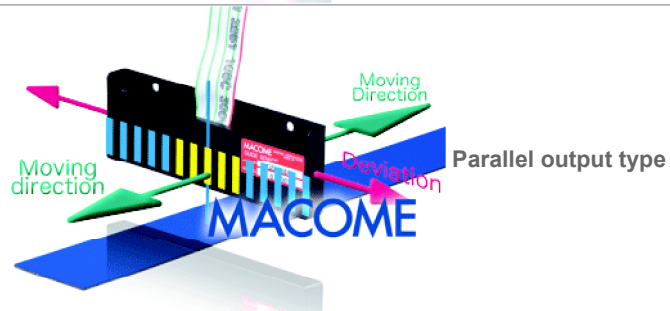
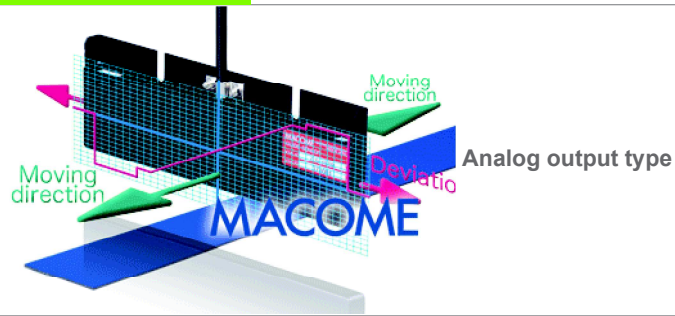
**Magnetic detection Sensors for Magnetic tape guidance type AGV.**  
**GS Series**

[Home](#) > GS Series

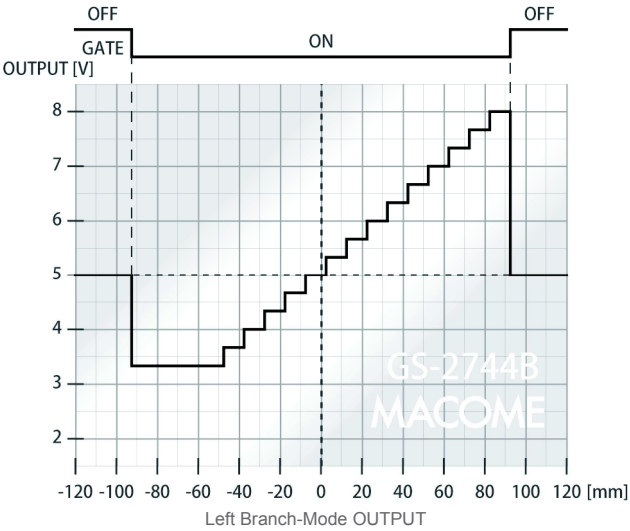
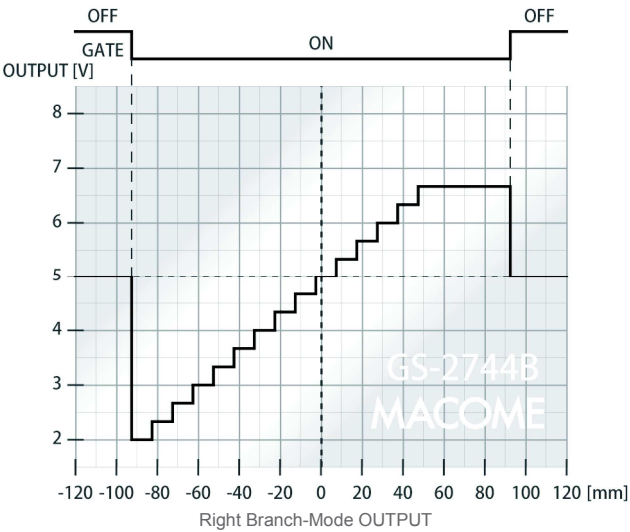
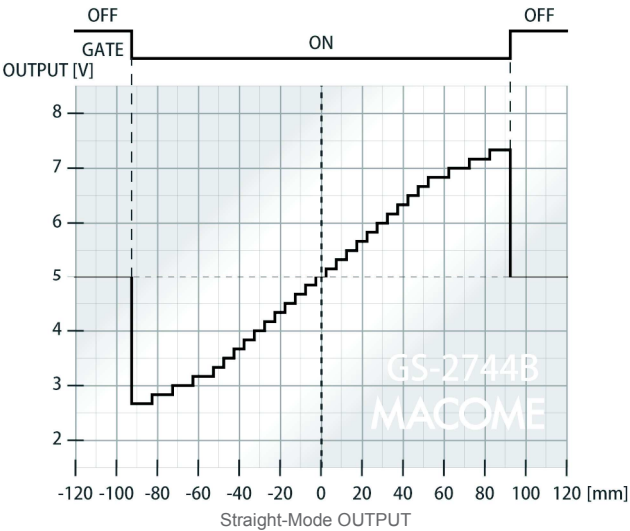


Magnetic Tape Guidance AGV's route can be constructed in various locations, since the magnetic tape route can be constructed where the floor can not be carved. Modification of a magnetic tape route can be done easily and the route is durable against dust, water and light. Guide sensor detects the slight magnetic flux from a magnetic guide tape at operation distance 30mm (20mm to 40mm) and generates multiple switching signals or deviation voltage.

**VARIATION :**



Output characteristic of the guide sensor of the Digital-Analog conversion output type.



## SPECIFICATIONS :

Operation Distance		20 to 40mm (standard)
Sensing objects		Magnetic Guide Tape MGL-50L, MG-611A, etc.
Supply voltage		+12 VDC $\pm 5\%$ , ripple (p-p) 1% max. or +24 VDC $\pm 5\%$ , ripple (p-p) 1% max.  +10.8 to +30 VDC , ripple (p-p) 1% max. etc.
Output	Analog type	Analog voltage output 5V at the center of magnetic guide tape. output which 1V to 10V were in proportion to more.
	Digi - Ana type	Analog voltage output 5V at the center of magnetic guide tape. output which 2V to 8V were in proportion to more.
	Parallel type	NPN Transistor Open collector Applicable voltage 30V max. Sink current 100mA max.
Operation Temperature		-10°C to +50°C (Non-condensing , Non-freezing)
Operation Humidity		35 to 95%RH (Non-condensing)

We have other sensors for AGV, such as address mark reader, reference point sensor, traffic control sensors. Detailed specifications are available on request.

## DIMENSIONS :

unit : mm

