

Magnescale

SPEED X PRECISION

RS-232C and Ethernet
interface modules

MG80-SC

PLC link function allows communication with
multiple PLC brands with no programming



Bi-directional data
transfer via RS-232C

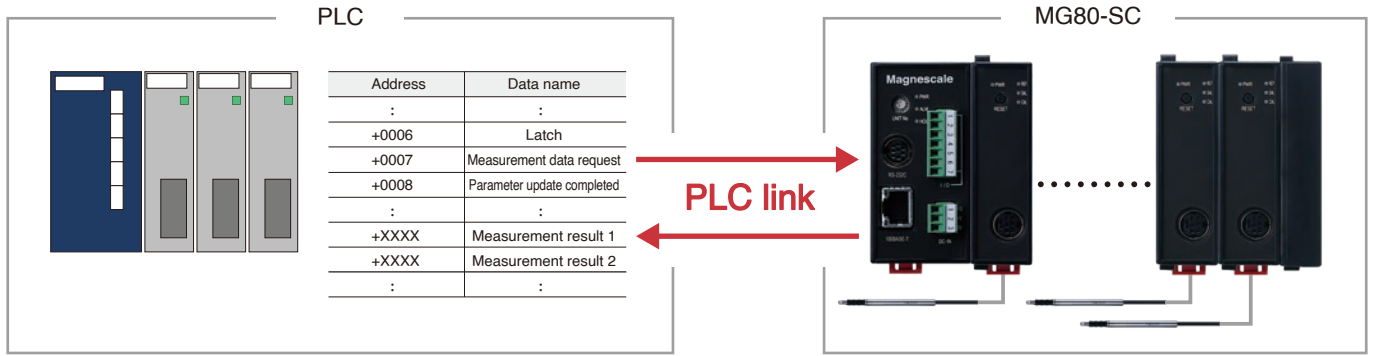
Connect up to 16 Magnescale
DK- or DT-series gauges



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■ PLC link

By connecting the PLC to the MG80-SC via RS-232C or Ethernet, data can be transferred without PLC programming. Compatible with PLCs manufactured by Mitsubishi Electric, OMRON and Keyence.



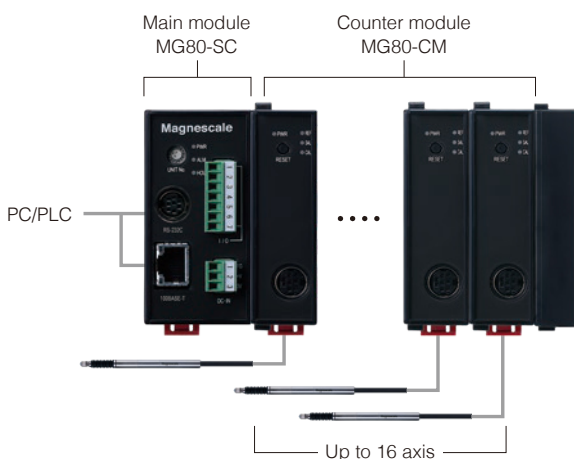
■ Mainspecifications

Main module	MG80-SC1 (NPN) / MG80-SC2 (PNP)
Communication protocol	RS-232C (2,400bit/s to 230,400 bit/s) Ethernet (100BASE-TX: 100 Mbit/s)
Function	Resolution selection (0.1 to 10 μm) / reset / master preset / current value, maximum value, minimum value, P-P value output of each axis / comparator function (up to 2 or 4 steps can be set) / PLC link*1
Maximum connectable counter modules	Up to 16 MG80-CM can be connected (MG80-SC+MG80-CM x16)
Mounting method	35mm DIN rail mounting
Power supply voltage	DC 10.8 to 26.4 V
Power consumption	2.4 W or less
Maximum communication cable length	RS-232C: 15 m*2 Ethernet: 20m (shielded CAT5e LAN cable recommended*3)

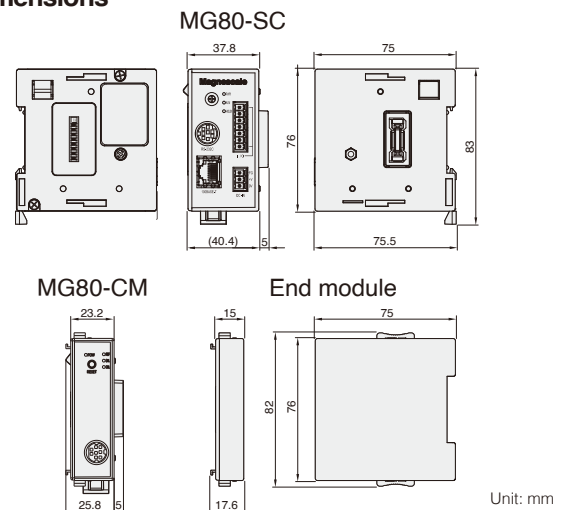
*1 Refer to the connection manual for compatible PLCs. *2 Please use DZ252 (sold separately) for RS-232C communication cable. *3 Ethernet communication cables not included.

Counter module	MG80-CM
Power consumption	2.0 W or less (measuring unit excluded)
Compatible measuring units	DK series, DT series (via MT13)
Alarm	Frequency response exceeded, measuring unit not connected, cable breakage

■ System overview



■ Dimensions



⚠ To use this product safely, please read the instruction manual carefully and thoroughly prior to usage.

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