

# 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

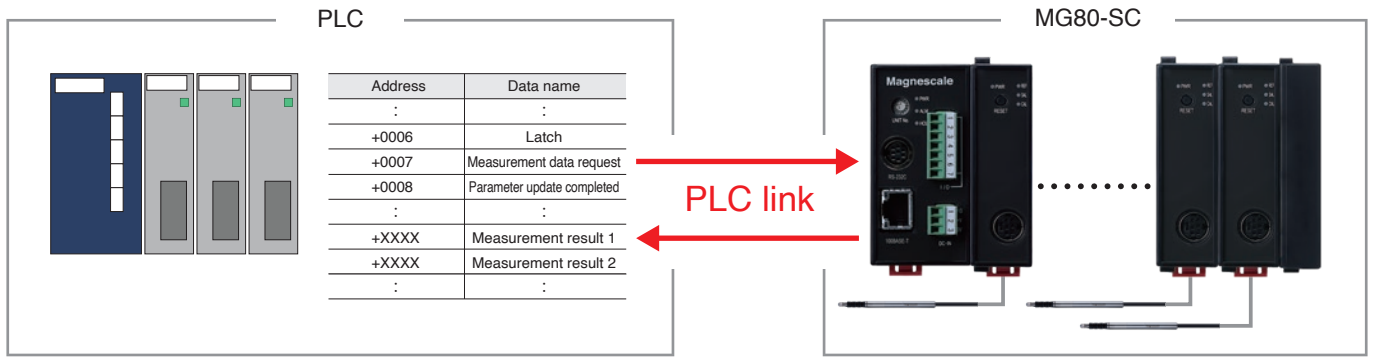
Connect up to 16 Magnescale  
DK- or DT-series gauges



Magnescale Co., Ltd.

## ■ 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.



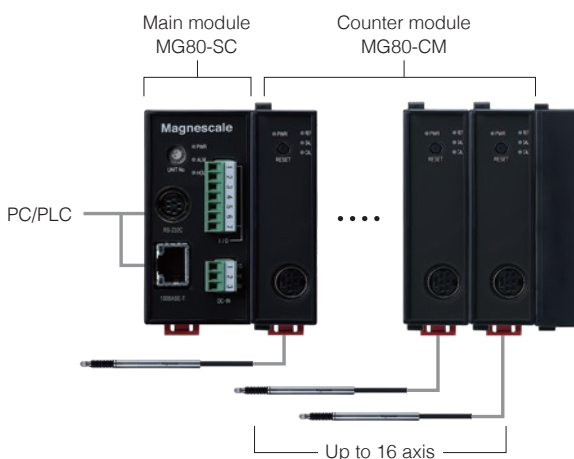
## ■ Main specifications

Main module	MG80-SC1(NPN) / MG80-SC2(PNP)
Communication protocol	RS-232C (2,400bit/s to 230,400bit/s) Ethernet(100BASE-TX : 100Mbit/s)
Function	Resolution selection (0.1 to 10 $\mu$ m) / 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	35 mm 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 : 15m*2 Ethernet : 20m(shielded CAT5e LAN cable recommended*3)

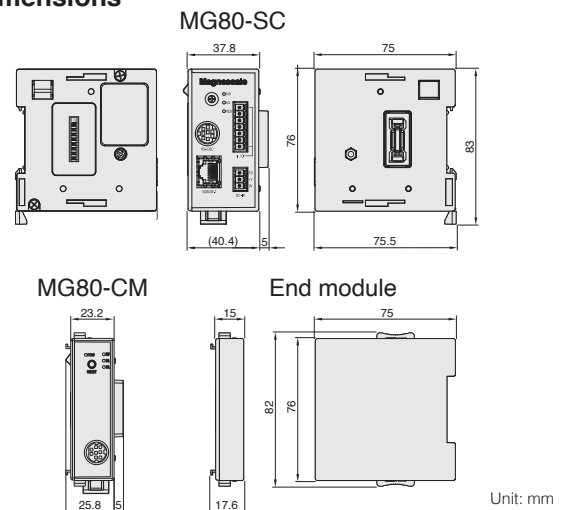
\*1 Refer to the connection manual for compatible PLCs. \*2 Please use DZ252 (sold separately) for RS-232C communication cable. \*3 Ethernet communication cables not included.

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. •Magnescale reserves the right to change product specifications without prior notice.

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