

Direct Connection to CC-Link Master

Direct transfer of high-precision measurement values in the order of $0.1 \mu\text{m}$ **0.004 mil**



Direct connection to CC-Link

Program-less transmission of high-precision data

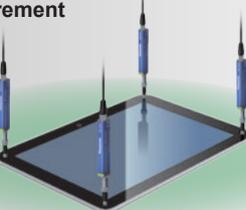
Batch change of internal settings via CC-Link

Examples...

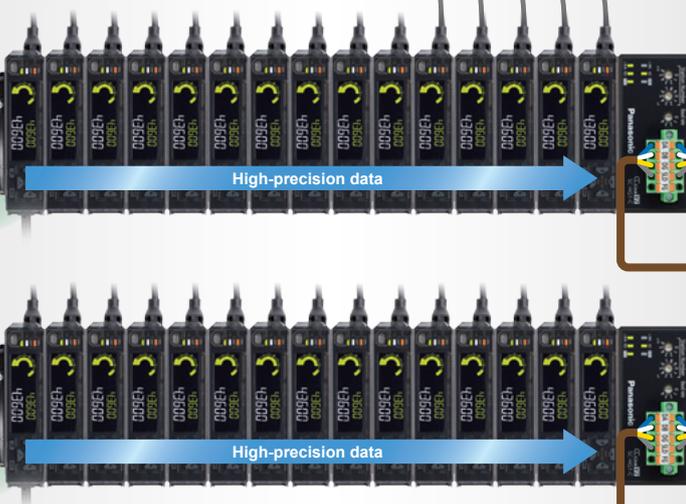
Automotive parts dimension measurement



Tablet surface flatness measurement



Contact-Type Digital Displacement Sensor
HG-S SERIES



NEW
CC-Link Communication Unit for Digital Displacement Sensors
SC-HG1-C

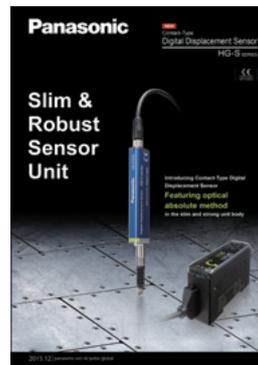
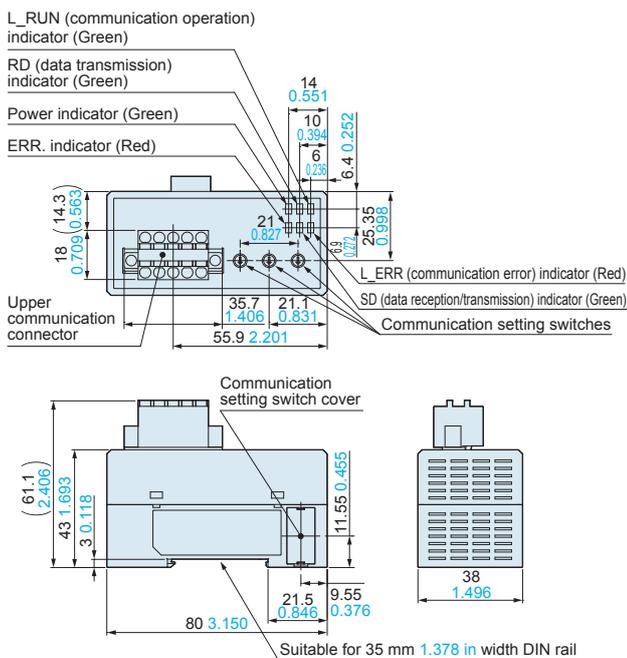
Connection of 1 master unit and up to 14 slave units

SPECIFICATIONS

Product name		CC-Link Communication Unit for Digital Displacement Sensors			
Item	Model No.	SC-HG1-C			
Applicable CE marking directives	EMC Directive (Note 2), RoHS Directive				
Compatible controllers	HG-SC □				
Number of connectable units	Maximum of 15 controllers (one master, 14 slaves) per SC-HG1-C unit				
Supply voltage (Note 3)	24 V DC ±10 %, Including ripple 0.5 V (P-P)				
Current consumption	80 mA or less				
Communication method	Switchable CC-Link Ver.1.10 or 2.00				
Remote station type	Remote device station				
Number of occupied station	CC-Link Ver.1.10: 4 stations, CC-Link Ver.2.00: Switchable 2 or 4 stations				
Station No. setting	1 to 64 (0 and 65 or more: Error)				
Baud rate	10 Mbps	5 Mbps	2.5 Mbps	625 kbps	156 kbps
Maximum overall cable distance	100 m 328.084 ft	160 m 524.934 ft	400 m 1,312.336 ft	900 m 2,952.756 ft	1,200 m 3,937.008 ft
Pollution degree	2				
Operating altitude	2,000 m 6561.68 ft or less (Note 4)				
Environmental resistance	Ambient temperature	-10 to +45 °C +14 to +113 °F (No condensation or icing), Storage: -20 to +60 °C -4 to +140 °F			
	Ambient humidity	35 to 85 % RH, Storage: 35 to 85 % RH			
	Protection	IP40 (IEC)			
	Voltage withstandability	1,000 V AC for one min. between all supply terminals connected together and enclosure			
	Insulation resistance	20 MΩ or more, with 250 V DC megger between all supply terminals connected together and enclosure			
	Vibration resistance	10 to 150 Hz frequency, 0.75 mm 0.030 in double amplitude in X, Y and Z directions for two hours each			
	Shock resistance	98 m/s ² acceleration (10 G approx.) in X, Y and Z directions five times each			
Material	Unit case: Polycarbonate				
Communication cable	Specified cable (shielded twisted cable) (Note 5)				
Weight	Net weight: 80 g approx., Gross weight: 130 g approx.				

- Notes: 1) Where measurement conditions have not been specified precisely, the conditions used were as follows: ambient temperature +20 °C +68 °F.
 2) If our product will be incorporated in a customer product that will comply with the EMC Directive, install our product in a conductive box in accordance with "PLC User's Manual [Published by Mitsubishi Electric Corporation]".
 3) Power is supplied from a connected controller / master controller.
 4) Do not use or store in an environment that has been pressurized to an air pressure higher than the atmospheric pressure at 0 m.
 5) Use only a special-use communication cable that is approved by the CC-Link Partner Association.

DIMENSIONS (Units: mm in)

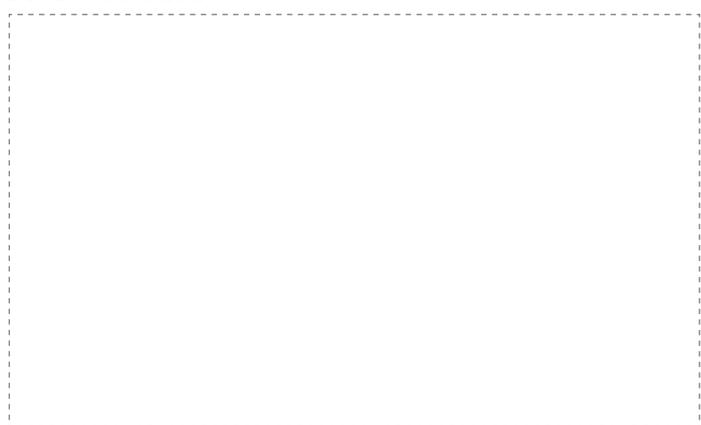


Contact-Type Digital Displacement Sensor **HG-S series**



RS-485 Communication Unit for Digital Displacement Sensors **SC-HG1-485**

Please contact:



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Authorized Distributor

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