

Linear Gauge Sensor BS Series

Tough and Compact

BS-1210/BS-1310 Baby Gauge Sensor



◆ Overview

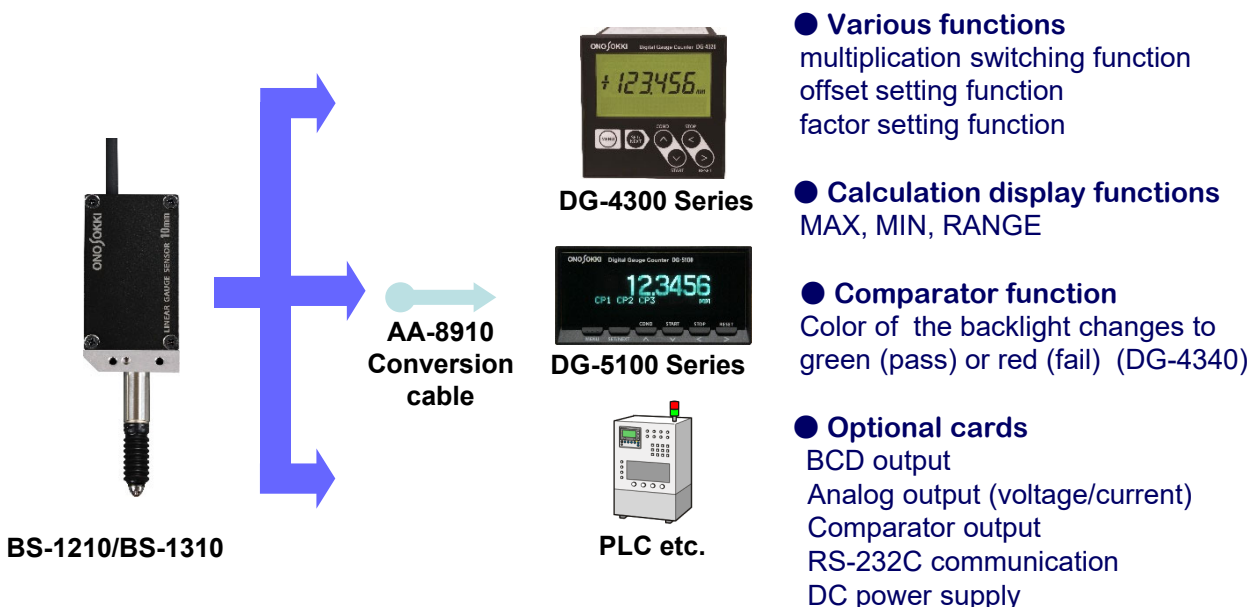
The BS-1210 / BS-1310 Baby Gauge Sensors are made to detect various dimensions, displacements and travel distances. Achieve excellent durability, vibration / shock resistance and noise resistance despite their compact bodies.

◆ Features

- Thin body and takes little space : Easy to install and maintain.
 - Superior water-resistance : Protection class IP66
 - Superior life time * : Number of sliding times: 30 million times
 - Wide temperature ranges : Operating temperature range 0 to +50 °C
Storage temperature range -10 to +65 °C
- *Compared to our existing model

◆ Example of system configurations

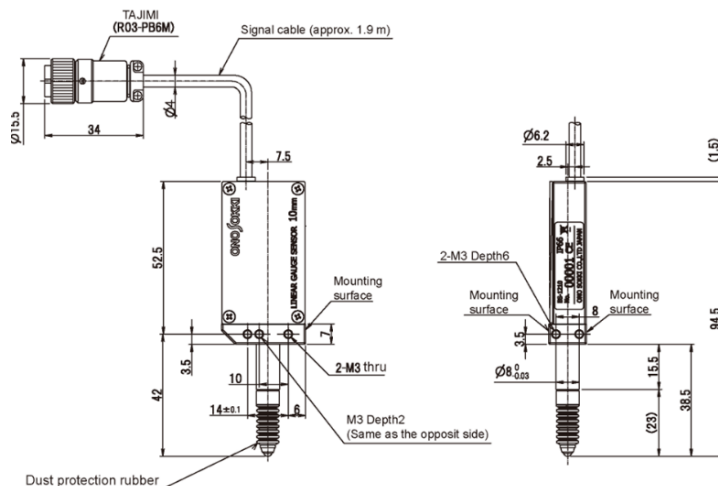
Can be connected to not only exclusive counters but also a PLC.



◆ Specifications

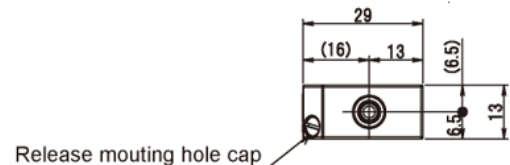
Model name	BS-1210	BS-1310	Model name	BS-1210	BS-1310
Measurement range	10 mm		Protection class	IP 66 (excluding connector)	
Resolution	10 μm	1 μm	Stem diameter	Φ 8 mm ^{+0 -0.03}	
Accuracy (at +20 °C)	3 μm		Power supply	DC 4.5 to 5.5 V	
Maximum spindle velocity *1	1 (4) m/s	0.3 (1.2) m/s	Power consumption (DC 5 V)	30 mA or less	50 mA or less
Measurement force(including dust protection rubber)	1.47 N or less		Output signal(DC 5 V)	Two-phase square wave, phase difference: 90° ± 20° Output voltage Hi : +4.5 V or more(no load)Lo : +0.4 V or less	
Number of strokes *2	30 million times				
Vibration resistance (when the power is off)*4	98 m/s ² in each of the three axial directions (150 minutes per each) 20 cycles of 10 Hz to 150 Hz sweeping		Operating temperature range	0 to+50 °C	
	980 m/s ² in each direction for each of three axis		Storage temperature range	-10 to+65 °C	
Shock resistance(when the power is off)*4	Three times for each of X, Y, and Z directions (18 times in all, sine half-wave, pulse duration 6 ms).		Outer dimensions	94.5 x 29 x 13 mm	
			Cable length	Approx. 1.9 m	
			Mass (cable included)	Approx. 110 g	
			Accessory	Instruction manual	

◆ Outer dimensions



Option

- AA-813 Mechanical release*2
- AA-816 Air release*2
- ST-022 Gauge stand
- AA-973 Dust protection rubber or replacement
- AA-844 Extension spindle (30 mm)
- AA-845 Extension spindle (50 mm)
- Extension signal cable
- Measurement tip*3



U.S.A.

Ono Sokki Technology Inc.
2171 Executive Drive, Suite 400
Addison, IL 60101, U.S.A.
Phone : +1-630-627-9700
Fax : +1-630-627-0004
E-mail : info@onosokki.net
<http://www.onosokki.net>

THAILAND

Ono Sokki (Thailand) Co., Ltd.
1/293-4 Moo.9 T.Bangphud
A.Pakkred
Nonthaburi 11120, Thailand
Phone : +66-2-584-6735
Fax : +66-2-584-6740
E-mail : sales@onosokki.co.th

INDIA

Ono Sokki India Private Ltd.
Plot No.20, Ground Floor, Sector-3,
IMT Manesar Gurgaon-122050,
Haryana, INDIA
Phone : +91-124-421-1807
Fax : +91-124-421-1809
E-mail : osid@onosokki.co.in

P.R.CHINA

Ono Sokki Shanghai Technology Co., Ltd.
Room 506, No.47 Zhengyi Road, Yangpu
District, Shanghai, 200433, P.R.C.
Phone : +86-21-6503-2656
Fax : +86-21-6506-0327
E-mail : admin@shonosokki.com