

BS-102/112

Linear Gauge Baby Sensors

BS-102 10mm Measurement Range

10 μ m Resolution

BS-112 10mm Measurement Range

1 μ m Resolution

Ultracompact Baby Sensor 94.5mm in length and 13mm in thickness. Ideal for mounting inside machinery with limited access space.

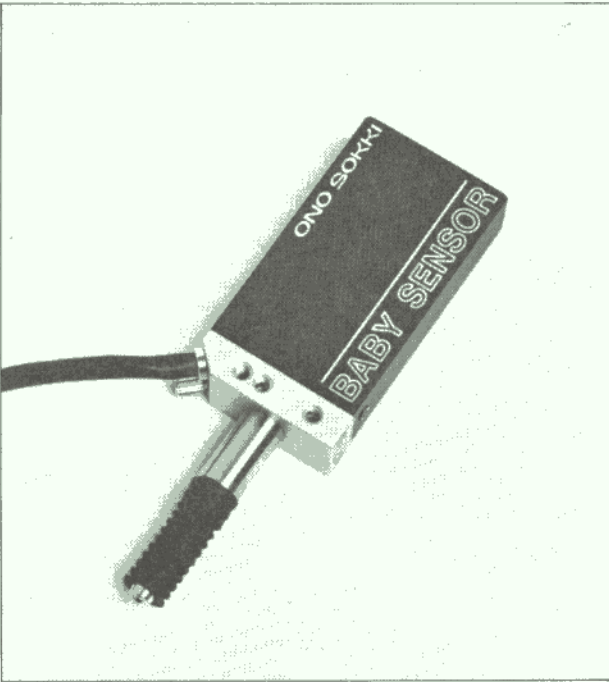
INTRODUCTION

The BS Series of Baby Sensors provides the features of proven Ono Sokki linear gauges in an amazingly small package.

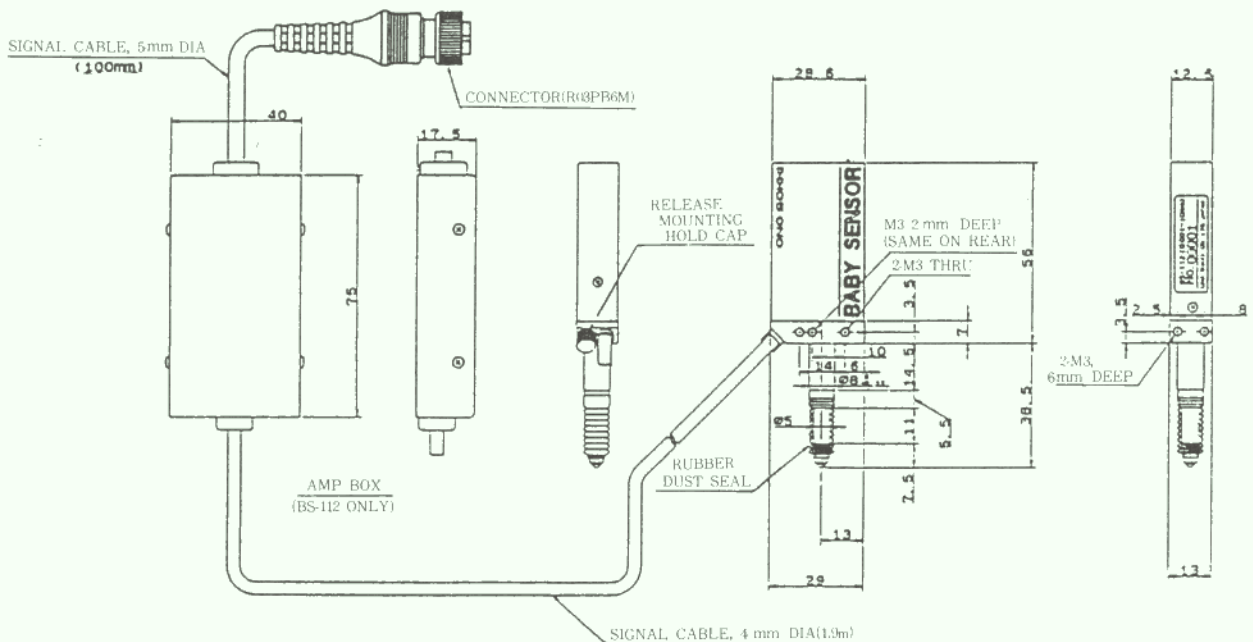
They enable digital detection of dimensions, displacement and movement, and can be combined with display units having a variety of output types to enable connection to recorders, thereby greatly expanding measurement possibilities.

FEATURES

- The use of the linear gauge principle provides durability and stable, high precision measurements not possible with mechanical type gauges.
- The thin, ultracompact sensor unit enables this series to be built into tight quarters heretofore impossible to even consider with conventional sensors.
- A dustproofing rubber seal is provided to enable measurements on the production line.
- The BS series are also available in water resistant version.



OUTER DIMENSIONS



ONO SOKKI

SPECIFICATIONS

Model	BS-102	BS-112
Measurement range	10mm	10mm
Measurement resolution	10 μ m	1 μ m
Indicating accuracy	3 μ m (20°C)	3 μ m (20°C)
Maximum response speed	1m/s	0.2m/s
Measurement force	1.47N (150gf) max. (0.98N (100gf) max. with rubber seal removed) ● Optional 0.39N (40gf) max., downward only (with no rubber seal)	
Operating temperature	+5 to 40°C	
Storage temperature	-10 to +55°C	
Cable length	1.9m (sensor-counter)	1.9m (sensor-amp) 10cm (amp-counter)
	● Extendable up to 30m using an optional extension cable.	
Weight	Approx. 150g (with cable)	Approx. 200g (with cable and amp box)
Accessories	Rubber dust seal	
Options	Release (AA-813 or AA-816) Finger lift (AA-969) Gauge stand (ST-011 or ST-022)	