

AW series (AW/AWC)

AW-2-350/AW-6-350/AWCA-6-350/AWRA-6-350

These gauges have corrosion-resisting stainless steel backing with thickness of 0.08mm. They are easily installed by using the dedicated spot welder W-50RC, are suited for strain measurement in high temperature up to 300 °C, for measurement of specimen to which adhesion is not applicable or for long term measurement.

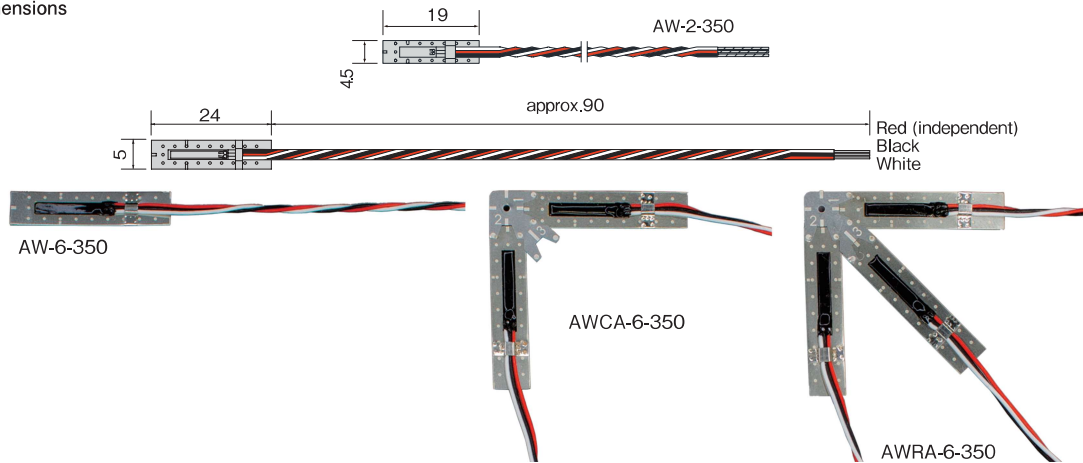
Type	Gauge length (mm)	Gauge base		Operating temperature (°C)	Temperature compensation range (°C)	Test specimen	Applicable coefficient of linear thermal expansion ($\times 10^{-6}/^{\circ}\text{C}$)	Resistance in (Ω)
		Dimension (mm)	Materials					
AW-2-350-11-4FB01LT	2	L19xW4.5	SUS304	-196~+300°C	+10 ~ +100°C	Mild steel	$11 \times 10^{-6}/^{\circ}\text{C}$	350
AW-6-350-11-4FB01LT	6	L24xW5	SUS304	-196~+300°C	+10 ~ +100°C	Mild steel	$11 \times 10^{-6}/^{\circ}\text{C}$	350
AWCA-6-350-11-4FB01LT	6	29x29	SUS304	-196~+300°C	+10 ~ +100°C	Mild steel	$11 \times 10^{-6}/^{\circ}\text{C}$	350
AWRA-6-350-11-4FB01LT	6	29x29	SUS304	-196~+300°C	+10 ~ +100°C	Mild steel	$11 \times 10^{-6}/^{\circ}\text{C}$	350

Leadwire $\Phi 0.2\text{mm}$ Twisted cross-linked fluorinated resin (PTFE) sheathed leadwire of 0.1m standard (Quarter bridge with 3-wire)

* Lead wire lengths other than the standard length are available on request. (Made to order.)

Minimum order quantity is 5 strain gauges .

External dimensions



AWF-3-350

This strain gauge incorporates a full bridge configuration and features a gauge factor of approximately 4. It is specifically designed for use in high-temperature environments up to 200°C, in locations where adhesive bonding is impractical, and in applications requiring stable, long-duration strain measurement

Type	Gauge length (mm)	Gauge base		Operating temperature (°C)	Temperature compensation range (°C)	Test specimen	Applicable coefficient of linear thermal expansion ($\times 10^{-6}/^{\circ}\text{C}$)	Resistance in (Ω)
		Dimension (mm)	Materials					
AWF-3-350-11-3LFS-F	3	L24xW5xT0.05	SUS304	-40~+200°C	+10 ~ +100°C	Mild steel	$11 \times 10^{-6}/^{\circ}\text{C}$	350

Leadwire $\Phi 4\text{mm}$ 0.08mm² 4-core shielded fluorinated resin (PTFE) sheathed leadwire of 3m

* Lead wire lengths other than the standard length are available on request. (Made to order)

Minimum order quantity is 1 strain gauge.

External dimensions

