

AW series (AWM/AWMD)

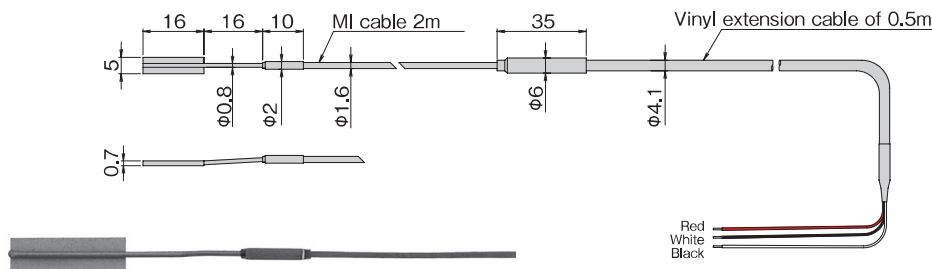
AWM-8 CE

The AWM is usable up to 300° C for both static and dynamic strain measurement. The backing material is available in Inconel 600 or SUS304 which should be selected according to the test specimen material.

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					
AWM-8-1A-2-11.0	8	L16xW5xT0.7	Inconel 600	For static/dynamic use -196~+300°C	Room-temperature ~ +300°C	Mild steel equivalent	11 $\times 10^{-6}/^{\circ}\text{C}$	120
AWM-8-1B-2-17.0			SUS304			SUS304 equivalent		

Leadwire 1.6 mm dia. MI cable 2 m, 4.1 mm dia. shielded vinyl cable 0.5 m (Quarter bridge with 3-wire)
Minimum order quantity is 1 strain gauge.

External dimensions



AWMD-5 / AWMD-8 CE

The AWMD is applicable up to 800° C and it is dedicated to dynamic strain measurement. A high pass filter is a standard accessory. Using the high pass filter, unnecessary direct current component or low frequency component (thermal output, drift etc.) in the measurement signals can be neglected.

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					
AWMD-5-AKM-2(6F)-1.6Hz*	5	L10xW3xT0.7	Inconel 600	for dynamic use -196~+800°C	N/A	Inconel 600 equivalent	12 $\times 10^{-6}/^{\circ}\text{C}$	60
AWMD-8-A-2-1.6Hz*	8	L16xW5xT0.7	Inconel 600					120

*High-pass filter only for AWMD Either one available among 1.6, 7.2 or 16Hz.

Leadwire AWMD-5 : 1.6 mm dia. MI cable 2 m, 1.6 mm dia. shielded fluorinated resin (FEP) cable 0.5 m (Full bridge)

AWMD-8 : 1.6 mm dia. MI cable 2 m, 4.1 mm dia. shielded vinyl cable 0.5 m (Full bridge)

Minimum order quantity is 1 strain gauge.

External dimensions

