

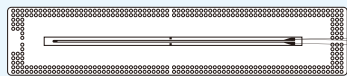
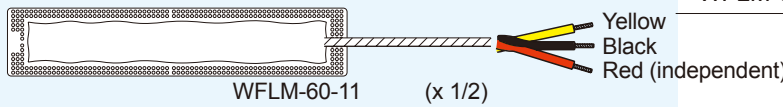
METAL BACKING STRAIN GAUGES series FLM/WFLM

Operating temperature range
-20°C  +80°CTemperature compensation range
+10°C  +80°CSuffix code for temperature compensation materials
-11: Mild steel

Applicable adhesives

PS -20 ~ +80°C

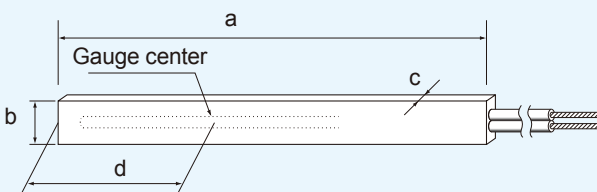
CONCRETE, MORTAR MATERIAL USE

Gauge pattern	Basic type	Gauge size		Backing			Resistance Ω
		L	W	L	W	T	
These strain gauges have thin stainless steel backings which prevent the penetration of moisture from the reverse sides. This construction is aimed for successful strain measurement on concrete surface. The WFLM gauges have moisture proofing over-coating and integral leadwire in addition to the stainless steel backing. It is intended for long term measurement or measurement on underwater-curing concrete.		L : length		W : width (Unit:mm)			
				Cconcrete Mmortar			
Single element  FLM-60-11 (x 1/2) Refer to pages 19-20 for applicable integral leadwire.	Single element	Each package contains 10 gauges.					
	FLM-30-11	30	0.5	60	18	0.12	120
	FLM-60-11	60	0.7	90	18	0.12	120
WATERPROOF TYPE Single element 0.09mm ² integral crosslinked polyethylene insulated leadwire of 2m standard Total leadwire resistance per meter : 0.4 Ω  WFLM-60-11 (x 1/2) Integral leadwire length longer than 2m is available.	Single element	Each package contains 10 gauges.					
	WFLM-30-11-2LT	30	0.5	60	18	4	120
	WFLM-60-11-2LT	60	0.7	90	18	4	120

MOLD STRAIN GAUGES series PM

Operating temperature range
-20°C  +60°C

CONCRETE, MORTAR MATERIAL USE

Gauge pattern	Basic type		Gauge size L W		Backing L W		Resist- ance Ω		
These gauges are designed exclusively for the measurement of internal strain of concrete or mortar under loading test. These are embedded into the measurement position when the concrete or mortar is placed. The gauges have a construction of the sensing element sealed into the backing made of acrylic resin for waterproofing. 			L : length		W : width (Unit:mm)				
	For long-term measurement of concrete structure, use Strain Transducer KM (refer to page 63).								
	Single element		Each package contains 5 gauges.						
					a	b	c	d	
	PML-60	-2L	60	1	125	13	5	40	120
	PML-120	-2LT	120	1	180	13	5	65	120

Integral leadwire length longer than 2m are available.