



CE

BTM-Series 3

Bolt Strain Gauges

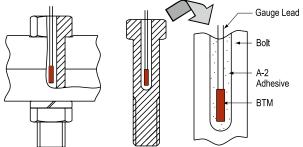
GENERAL USE

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These gauges are used for measurement of tensile strain of bolt. They are simply inserted into pre-drilled hole in the bolt with exclusive adhesives. This method is recommendable when an ordinary strain gau Accurate tensile for the bolt after insta

The BTM bolt gauges use heat-curing A-2 adhesive for installation, which provides better long-term stability.

dinary strain gauges can not be mounted on the bolt surface. curate tensile force measurement is possible by calibrating e bolt after installing the bolt gauges.				Operating temperature range -10 -	- + 80°C	Applica A-2	ble adhes	ives - 10 ~ + i	80°C
BOLT AXIAL	STRAIN ME	ASUREMENT							
	Gauge pattern			Туре	Gauge s Length		Backing : Length	size(mm) Width	Resist- ance Ω
Single axis	BTM-1C	Gauge center	Gauge Lead : Φ0.	14mm Polyurethane leadwire (Cu) of	80mm	=			
	BTM-6C	12 Gauge center Gauge Lead : Ф0.14mm Polyurethane leadwire (Cu) of 80mm							
	BTM-6CTA	Gauge center	Temperature integ	rated 14mm Polyurethane insulated wire (C Φ0.12mm Polyester leadwire (Cu-Ni					
mle	real	Gauge	e Lead	BTM-1C (Hole drilled : Φ1.6mm)	1	0.7	5.6	1.4	120



BTM-1C (Hole drilled:Φ1.6mm)	1	0.7	5.6	1.4	120
BTM-6C (Hole drilled:Φ2.0mm)	6	1	12	1.7	120
BTM-6CTA (Hole drilled : Φ2.0mm) Temperature integrated applic	6 able in -1	1 0~+80°C	12	1.7	120

NB : Polyurethane insulation of the gauge leads is easily removed by heat of soldering iron, while Polyester sheath is removed by chemical solvent.

Minimum order quantity is 10 strain gauges. These strain gauges are available with integral leadwires attached. (made to order)

xclusive syringe efore BTM gauge	for injecting A-2 adhe is embedded.	esive into the pre-dr	ole	
Applicable to	Needle diameter	Needle length		
BTM-1C	1.5mm-dia.	60mm		Produce units Children (Children (Ch
BTM-6C	1.8mm-dia.	100mm		

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