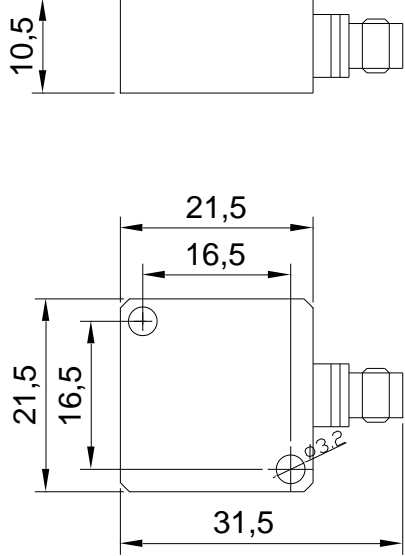




Product Model: MM181A series	MEMS Accelerometer(DC Response)		Version: A Date: 20/2/2023
<p>Uses:</p> <ul style="list-style-type: none"> • Low-frequency, motion and tilt measurements • Flight testing • Road load testing • Transportation • Modal analysis <p>Features:</p> <ul style="list-style-type: none"> • High temperature stability • Hermetically sealed • Low power consumption 	Performance	MM181A-02	<p>MEMS Accelerometer, the DC response accelerometers, is designed to measure low-frequency vibration down to DC. The sensing element offers a wide dynamic range and very stable frequency response even after subjection to high shock levels. It features an integral cable that terminates with a LEMO 7 pin connector associated with our MM3832 (signal conditioner). The housing material is titanium.</p> 
	Sensitivity ($\pm 10\%$)	1000 mV/g	
	Measurement Range	± 2 g	
	Resolution	2 mg rms	
	Frequency Range($\pm 5\%$)	0-200 Hz	
	Non-linearity	≤ 1 %	
	Transverse Sensitivity	$\leq 5\%$	
	Overload Limit (Shock)	± 3000 g	
	Temperature Range	-40 ~ +85 °C	
	Excitation Voltage	+9 ~ +15 VDC	
	Excitation Current	≤ 5 mA	
	Size mm	As left figure	
	Weight	~ 17 g	
	Mounting	(2) $\Phi 3$ (Thru-hole)	
Output Impedance	≤ 100 Ω		
Output Connector	Integral Cable		
Housing Material	Titanium		
Sealing	Welded		<p>Metromatics</p> <p>ABN: 47 007 346 287</p>
Accessories	<ol style="list-style-type: none"> 1. Integral cable (4 cores) 1ea 3m 2. Certificate of inspection 1ea 3. M3 stud 2ea 		
Remark			<p>25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA</p> <p>www.metromatics.com.au sales@metromatics.com.au</p> <p>Brisbane: +61 7 3868 4255 Sydney: +61 2 9460 4355</p> <p>Melbourne: +61 3 9872 4592 Adelaide: +61 8 8343 8516</p>