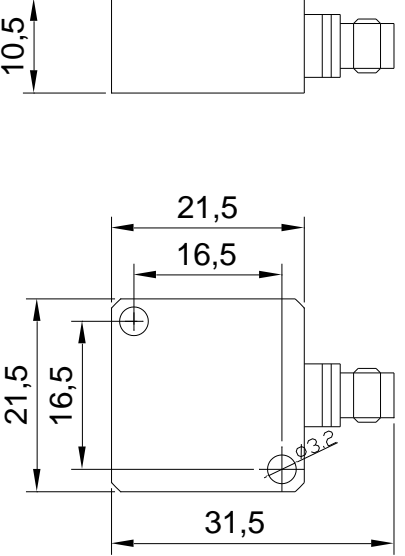




Product Model: MM181A series		MEMS Accelerometer (DC Response)		Version: A Date: 25-10-2024
<p>Uses:</p> <ul style="list-style-type: none"> • Low-frequency, motion and tilt measurements • Flight testing • Road load testing • Transportation • Modal analysis <p>Features:</p> <ul style="list-style-type: none"> • High temperature stability • Hermetically sealed • Low power consumption 	Performance	MM181A100P		<p>MEMS Accelerometer, the DC response accelerometer, 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. MEMS Accelerometer features an integral cable that terminates with a LEMO 7 pin connector associated with MM3832 (signal conditioner). The housing material is titanium.</p>
	Axis	Z		
	Sensitivity ($\pm 10\%$)	10 mV/g		
	Measurement Range	± 200 g		
	Resolution	10 mg rms		
	Frequency Range ($\pm 5\%$)	0-1000 Hz		
	Non-linearity	≤ 1 %		
	Transverse Sensitivity	$\leq 5\%$		
	Overload Limit (Shock)	± 5000 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			Metromatics ABN: 47 007 346 287
Accessories	<ol style="list-style-type: none"> 1. Integral cable (4 cores) 1ea 3m 2. Certificate of inspection 1ea 3. M3 stud 2ea 			25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA www.metromatics.com.au sales@metromatics.com.au Brisbane: +61 7 3868 4255 Sydney: +61 2 9460 4355 Melbourne: +61 3 9872 4592
Remark				