Product Model: MM18 series	31A	MEMS Acceleromete	er (DC Respo	nse)	Version: A Date: 19/06/2024	
Uses: •Low-frequency, mot measurements	i	Performance	181A20			
	tion and tilt	Sensitivity (±10%)	100 mV/g	The MEMS Accelerometer, are DC response accelerometers. Designed to measure low-frequency vibration down to DC. The sensing element offers a wide dynamic range and very stable		
		Measurement Range	±20 g			
Flight testing		Resolution	6 mg rms			
Road load testing		Frequency Range (±5%)	0-300 Hz	frequency response even after subjection to high shock levels. It		
TransportationModal analysis		Non-linearity	≤1 %	features an integral cable that terminates with a LEMO 7 pin connector associated with MM3832 (signal conditioner). The housing material is titanium.		
Features:		Transverse Sensitivity	≤5%			
• High temperature stabil	ity					
 Hermetically sealed 		Overload Limit (Shock)	±3000g			
Low power consumptio	n	Temperature Range	-40 ~+85 °C			
10,5		Excitation Voltage	+9~+15 VDC			
$\tilde{\mathbf{v}}_{\mathbf{r}}$		Excitation Current	≤5 mA			
		Size mm	As left figure			
		Weight	\sim 17 g			
21,		Mounting	(2) Φ3(Thru–hole)			
16,	5	Output Impedance	≤100 Ω			
		Output Connector	Integral Cable			
21,5		Housing Material	Titanium			
		Sealing	Welded		Metromatics ABN: 47 007 346 287	
Accessories	1. Integral cable (4 cores) 1ea 3m			25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA		
		Certificate of inspection 1ea			www.metromatics.com.au sales@metromatics.com.au Brisbane: +61 7 3868 4255 I Sydney: +61 2 9460 4355	
	3. M3 stud 2ea	M3 stud 2ea				
Remark				Melbourne: +61 3 9872 4592		