

ArmourG

Collision detection for machining
and robotic automation



To reduce damages caused by accidental collision,
and to record collision events.

G-TECH

ArmourG

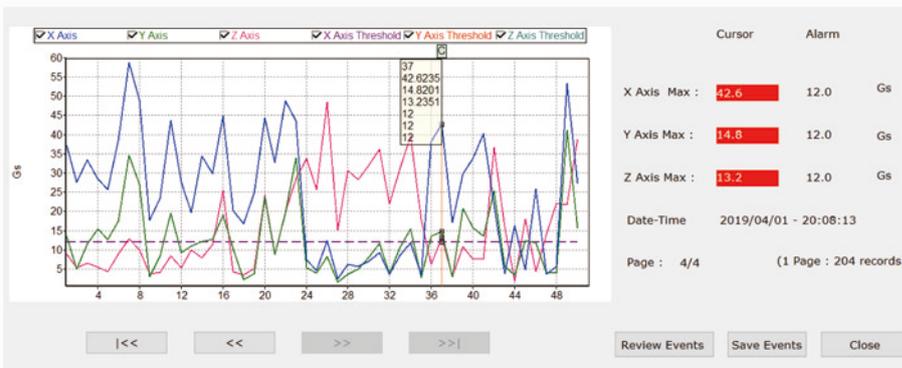
Machine Collision Detector & Events Recorder



- Smart monitoring box consisting of sensors & electronics
- High bandwidth MEMS tri-axial accelerometer (X, Y & Z)
- Relay triggered in less than 1 millisecond upon a collision
- Built-in data log for max. 5,000 collision events
- Easy installation on machine structure
- Easy software for threshold setting & logging
- Economically priced

Measurement range	±50 g	
Shock limit	10,000 g	
Temperature range	Operation 0 to 70 °C / Storage -40 to 70 °C	
Power requirement	24VDC ±2V@100mA	
Relay output	Voltage/ Current	24Vmax. / 100mA
	Normal status	Normal Close
	Reaction time	< 1 millisecond
Digital Input	Voltage range	10V to 24V
Communication port	Mini-USB for data transmission and system set-up	
Storage of data log	5,000 events (Max.)	
LED indicator	Blue: working/ Red: alarm event	
Dimensions (HxWxD)	49 x 39 x 34 mm	
Housing material	Aluminum	
Weight	Approx. 115 g	
Protection class	IP67	

Events review



Threshold settings

