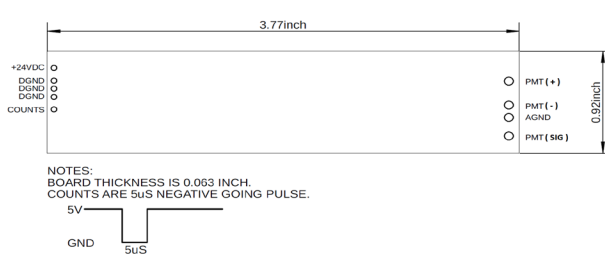


MWD GAMMA COUNTER

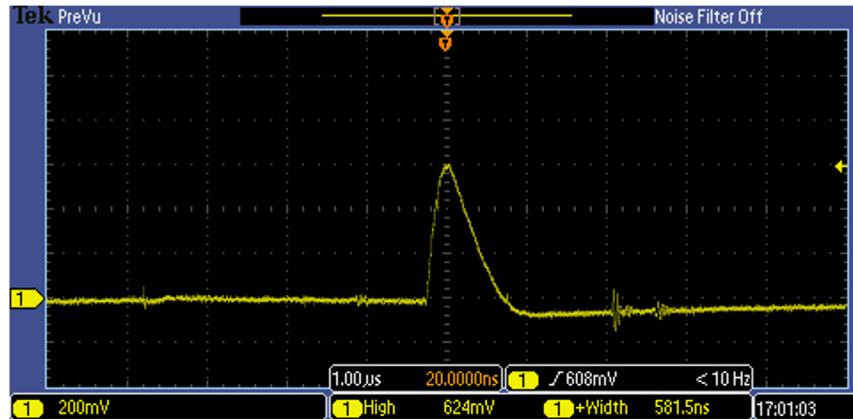
Innovative Downhole Solutions Gamma Counter is designed to meet the extreme challenges in today's drilling market. The rugged detector design, operational to 175°C, can be customized to meet your geometric requirements.

Specifications	
Electrical	Connections
Input Voltage: +17V to +28V	26AWG Wires (200C rated) (MIL-W-22759 / SAE AS22759)
Current: < 30ma @ 24V 25C, < 40ma @ 24V 175C	
Output Signal: Fixed: 5µs - Negative going - +5V to GND	+ 24VDC INPUT: Red
Performance	OUTPUT COUNTS: Blue
Accuracy: +/- 5% Count Rate Change - 25C to 175C	DGND: Black
Accuracy: +/- 10% Count Rate Change - 10C to 25C	
Gain Stabilization: Close Loop Gain	PMT (+): Photomultiplier Tube Plus (+) Connection
Environmental	PMT (-): Photomultiplier Tube Negative (-) Connection
Operating Temperature: -10C to 175C	PMT (SIG): Photomultiplier Tube Signal Connection
Survival Temperature: 175C	
Vibration: 20G, 50 to 500Hz Random	
Shock: 500G	
Mechanical	
 <p>NOTES: BOARD THICKNESS IS 0.063 INCH. COUNTS ARE 5µS NEGATIVE GOING PULSE.</p>	

Typical complete gamma assembly. Sizes vary depending on application. Can be drop-in replacement of existing MWD gamma packages.



Post Pre-AMP Output



Typical pulse after preamplifier converted to output counts