

# Transducer Signal Conditioning

*Take Charge of Your Measurements*



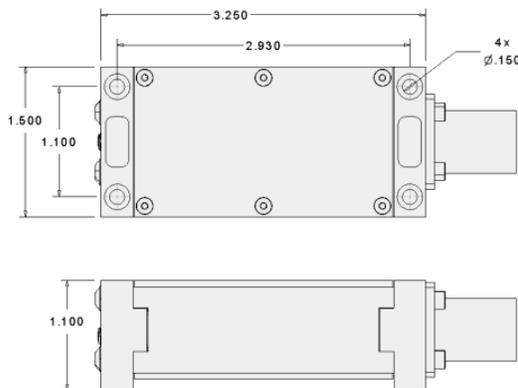
## AL9502 Charge Amplifier



Apogee Labs, Inc. offers a wide range of products designed to support the needs of the flight test community, such as Charge Amplifiers, Configurable Multifunction Displays, Airborne Multiplexers, RF Test Sets, and Ground Support Systems. Our AL9500 series of Charge Amplifiers convert the varying electrical charge generated by piezoelectric transducers into voltage levels for analysis. In addition to the conversion function, they provide five user selectable band-pass filters which allow an increase in measurement accuracy by reducing system noise. The five selections consist of four 3-pole filters and one 1-pole filter (wideband). Filter selection is accomplished by varying the excitation voltage applied to the charge amp. An AL9502 can be used in a variety of applications, including the testing and monitoring of aircraft, ground vehicles and static structures.

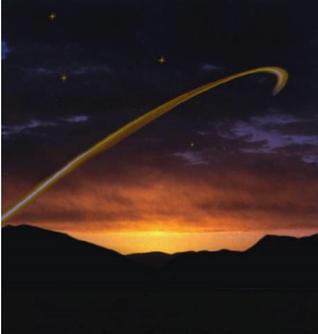
### Select Features

- Conversion Sensitivity 1.6 mV/pC
- Conversion Accuracy +/- 1%
- Four band-pass filter selections
- Standard Microdot and D38999 connectors
- Designed to be IP67 and Mil-spec compliant
- Electrically isolated chassis mounts



# CELEBRATING 25 YEARS OF EXCELLENCE

## About Us...



Founded in 1993, Apogee Labs, Inc. is a preeminent supplier and technology solutions provider to the telemetry, communications, aerospace and defense communities. Our product offerings have evolved to include a wide range of data acquisition, displays, data transport/distribution, testing, and specialty engineering solutions. Our products include serial PCM input/output nodes (TMoIP); configurable multifunction displays; airborne and rack mounted multiplexers, portable and rack mounted testers (BERTs); video encoders/decoders; digital and analog matrix switches; fiber optic data transport solutions; ruggedized tactical encoders; charge amplifiers; and many other state of the art systems.

A relentless commitment to total customer satisfaction is a core value of Apogee Labs and the cornerstone of our customer relationships. Our in-house capabilities to design, build, and test each product, which we are proud to do exclusively in the USA, ensures the level of control necessary to conform to the most stringent quality and delivery standards. Moreover, the modular design of our products ensures cost effectiveness.

Supplementing our in-house technical support team, our global sales and technical support network provides local service for our customers, which include prominent government agencies and corporations in the telemetry, communications, defense, and aerospace industries. Underscoring our commitment to total customer satisfaction, we back our products with a comprehensive, industry-leading warranty and world class customer service.



*"Speaking on behalf of the entire Apogee Team, we are immensely proud of our company's history and exemplary service track record in supporting our customers in the aerospace, defense, and communications markets. NASA's multiplexing techniques were the foundation for our first multiplexer product and since then, we have facilitated the evolution of multiplexing technologies in our markets. Moreover, we have leveraged and greatly expanded on our core competence in this area to develop a full complement of products for a wide and diverse range of telemetry applications.*

*As a technology company, we are passionate about, and firmly committed to, the evolution of our technology roadmap to continue to serve our customers and partners at the highest possible level. We deeply value each and every relationship and welcome the opportunity to apply our competencies to solve new challenges."*

Wayne Klein  
President & CEO