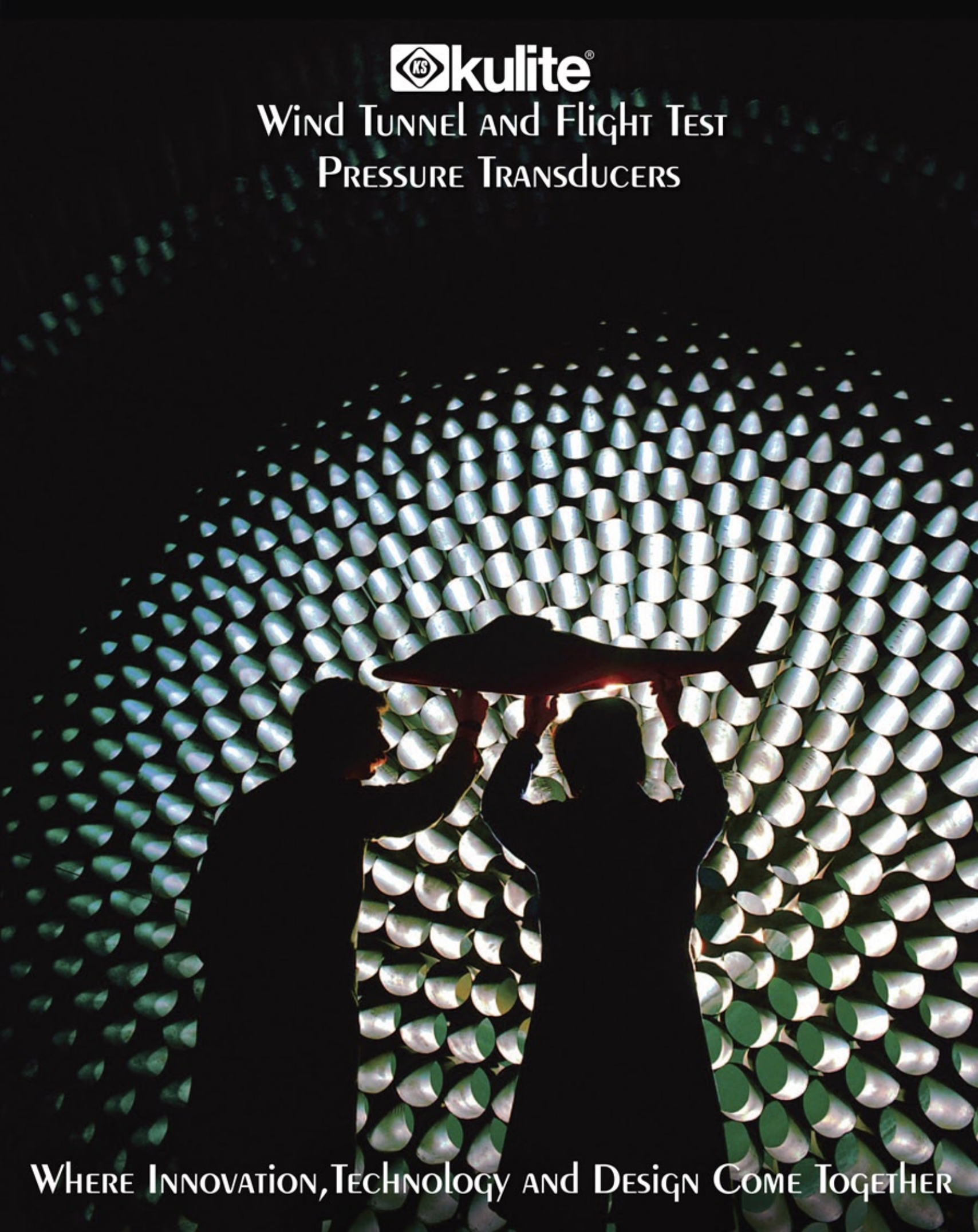
kulite®

Wind Tunnel and Flight Test Pressure Transducers



Where Innovation, Technology and Design Come Together

World's Smallest Transducers For Wind Tunnel Testing and the Flight Test Engineer

LQ-062 / LL-072 / LQ-125 / LL-250
FLAT PACK SERIES
- World's Smallest
- Patented Leadless Technology
- Surface Mount for Blades/Vanes with High "G" Level
- For Dynamic and Static Measurements
- Pressure Survey on Blades, Structures and Acoustic Pressure Measurement

XCL/XCEL-072 SERIES
- Patented Leadless Technology
- Probe Type Pressure Transducer
- For Dynamic and Static Measurements
- Inlet Pressure Measurement
- Front and Back of Compressor Measurement
- Burner Pressure Measurement

Amplified and Microprocessor Corrected Flatpacks
- 5 VDC Output
- Nozzle and Fuselage Applications
- Moisture Protected

XCQ-062
- World's Smallest
- Ideal For Wind Tunnel Applications
- Excellent Static and Dynamic Performance
- Rugged
- .066" Diameter
- Available in All Standard Pressure Ranges

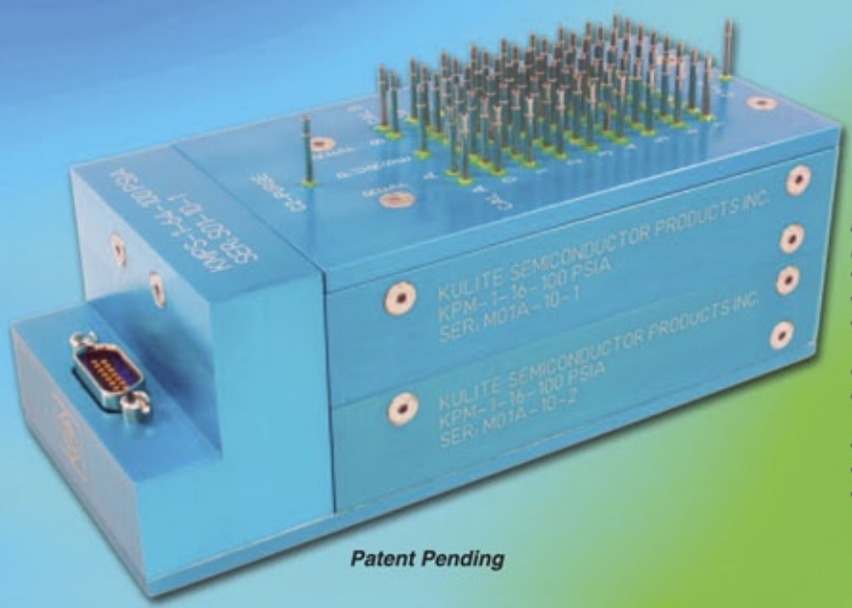
Inline Amplifiers
- 5, 10 VDC
- 4-20mA
- Microprocessor Corrected
- Digital Output

XTL/XTEL-140 SERIES
- World's Smallest
- Patented Leadless Technology
- Threaded Pressure Transducer
- For Dynamic and Static Measurements
- Wide Compensated Temperature Range -40°F to +450°F (-40°C to +232°C)
- Miniature Probes and Multi-Pressure Rakes

XTEH-7L-190 SERIES
- Patented Leadless Technology
- High Natural Frequency
- Suitable For Stall Avoidance Application
- -65°F to +750°F (-55°C to +400°C) Temperature Capability

Flow Angle Probe
FAP-250
FAP-HT-250
- High Frequency
- Patented Ultra Miniature Rugged Design
- Temperature to 525°F (273°C) HT Series
- Ideal For Aero Propulsion Measurements and Complex Flow Structures

Pressure and Temperature
Temperature Only Transducers
- World's Smallest Pressure and Temperature Sensor at 6mm
- Combined Pressure and Temperature Capability
- Patented Leadless Technology



Pressure Scanner
KMPS-1-64
- High Accuracy Digital Compensation
- Multiplexed Analog Output
- High Speed Digital Output (RS-485 or Ethernet)
- No Heating or Cooling Needed
- Wide Temperature Range -65°F to +250°F (-55°C to +120°C)
- Auto Zero
- Integral Purge
- Plug and Play Modules

Patent Pending

kulite®

Kulite Miniature Pressure Transducers for Flight Test and Wind Tunnel Testing

Kulite is the first name in pressure transducers for the flight test and wind tunnel engineer. Kulite has been serving the wind tunnel and flight test community for over 50 years.

Kulite state of the art pressure transducers are ideal for the flight test environment. The core technology is a patented piezoresistive silicon-on-insulator miniature sensing element. These transducers have found wide acceptance in aerospace applications, for wind tunnel, flight test and acoustic measurements with decades of use on many important flight test programs. Kulite has established the industry standard of excellence for dynamic pressure measurement. The extremely small size of these devices have made them uniquely suited to a large variety of test and production applications in industry and research and development.

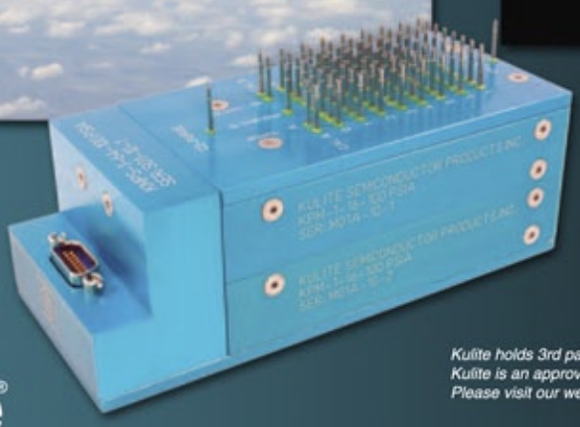
Kulite offers custom outputs such as 5 or 10 volts, 4-20ma. Digital outputs such as RS-485, Ethernet, wireless and Canbus. High accuracy microprocessor corrected transducers are also available.

Kulite recognizes that the needs of the test community are unique. Kulite has available a product support team of engineers experienced in this field ready to work with you to provide the proper instrument for a given application. Kulite stands ready to offer in depth technical assistance and rapid turnaround times when required.

Kulite Silicon Sensor Advantages:

- ***High frequency response***
- ***Excellent long term stability***
- ***Negligible non-linearity and hysteresis***
- ***Excellent repeatability***
- ***Custom accuracy <0.1%***
- ***Ruggedized to application***
- ***High temperature capability +1000°F (538°C)***
- ***Static/dynamic outputs***

Kulite Wind Tunnel and Flight Test Pressure Transducers For Extreme Environments



Kulite holds 3rd party approval for AS9100 and ISO9001 as well as SIRA and CSA certifications.
Kulite is an approved FAA/EASA/CAAC repair station.
Please visit our web site for details.

kulite®

KULITE SEMICONDUCTOR PRODUCTS, INC.
One Willow Tree Road • Leonia, New Jersey 07605 USA • Tel: 201 461-0900 • Fax: 201 461-0990 • Email: info-kulite@kulite.com • http://www.kulite.com