

TESTING LABORATORY

BY NICOMATIC



FAST & RELIABLE PARTNER
FOR HIGH STANDING MATERIAL TESTING AND CALIBRATION!

APPLICATIONS

40 YEARS EXPERIENCE
IN DEFENSE, AERONAUTIC AND SPACE APPLICATIONS
DEDICATED TO YOUR EXPECTATIONS



DEFENSE & SECURITY



CIVIL AVIONICS



SPACE



UAV



ENERGY

CERTIFIED
ISO 9001 & AS9100

QUOTE UNDER
1 WEEK

MIL-DTL-55302

MIL-DTL-83513

ESCC3401

THE NEW NICOMATIC'S LABORATORY
OFFERS YOU THE OPPORTUNITY TO TEST YOUR PRODUCTS

MORE THAN 30 TESTS
AND 10 MACHINES ALREADY AVAILABLE!

SIGNAL INTEGRITY



VNA ROHDE & SCHWARZ ZNB20

- ▷ Coaxial Signal (HF) Characterization (50 Ω / 75 Ω)
- ▷ Differential Signal (LF) Characterization (100 Ω)
- ▷ Standard Protocol Communication Characterization (Ethernet, USB, SATA, HDMI ...)
- ▷ Time Domain Characterization (TDR, Impedance, Rise Time, Intra Pair Skew, Inter Pair Skew, Eye Diagram)
- ▷ Frequency Domain Characterization (Insertion Loss, Return Loss, Far End Noise, Near End Noise)

ENVIRONMENTAL



VIBRATION TEST BENCH
LABWORKS INC. DB140

- ▷ Temperature Cycling
- ▷ Dry heat
- ▷ Dry cold
- ▷ Damp heat steady state
- ▷ Damp heat cyclic
- ▷ Thermal shock
- ▷ Magnetic permeability
- ▷ Vibrations
- ▷ Salt spray (High humidity controlled, Drying mode)

MECHANICAL



VERTICAL TEST BENCH
ANDILOG ATLAS II

- ▷ Tensile strength
- ▷ Mechanical strength
- ▷ Contact engagement
- ▷ Separation force
- ▷ Mating / Unmating force
- ▷ Retention
- ▷ Crimp tensil strength with your own cable

ELECTRICAL



DIELECTRIMETER
SEFELEC DXS56

- ▷ Dielectric Withstanding Voltage @ Specific Altitude
- ▷ Breakdown Voltage @ Specific Altitude
- ▷ Altitude available between *@ Sea level (1 bar) *@ 100 000ft (10mbar)
- ▷ Insulation resistance @ Sea level and @ High altitude
- ▷ Low Pressure

CHEMICAL



- ▷ Fluid resistance
- ▷ Marking
- ▷ Silicon elasticity / expansion