



Accredited Calibration and Test Facilities at NLR

EMC and HIRF measurements

- EMC measurements according to MIL-STD461, DO160/ED14 and BOEING standards
- HIRF testing at 200 V/m
- Semi-anechoic shielded room and Open Area Test Site
- Accredited by the Dutch Council for Accreditation (RvA-L220)



Laboratory for Force Calibration

- On-site- and laboratory force calibrations
- Wide range of Force Reference Standards, 1 Newton - 3 Mega Newtons for tension and compression
- Accredited by the Dutch Council for Accreditation (K042)



*Avery force generating
and calibrating machine
for tension and compression
with 3 MN reference
loadcell mounted*

Calibration of instruments measuring

- pressure
- rate of turn
- rotational angle and
- temperature

Evaluation facilities

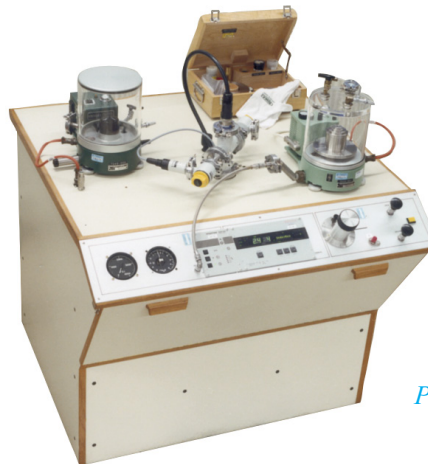
- pressure and altitude
 - temperature and altitude and
 - vibration
- for data acquisition equipment

Data acquisition laboratory for pressure

RvA accreditation K039

Accuracies

barometric pressure	: 0.01 %
hydraulic pressure	: 0.03 %



Pressure balances

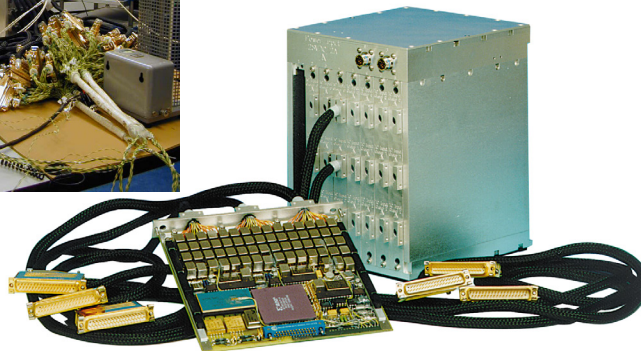
Calibration of instruments measuring or generating

- AC or DC voltages
 - AC or DC currents
 - resistances
 - frequencies
- Measurements of coils ($10^{-3} \div 1$) H
and capacitances ($10^{-10} \div 10^{-5}$) F

EMG-laboratory RvA accreditation K038

Accuracies

10 V	:	60 mV
1 A	:	0.5 mA
10 k Ω	:	30 $\mu\Omega$
10 MHz	:	0.1 mHz



Thermocouple measurement system

For more information:

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