

## INTERCOMPARAISONS INTERNATIONALES

### Métrologie dimensionnelle

1. Euromet 866 Interferometric calibration of microdisplacement actuators.
2. Euromet 812 Calibration of diameter standards (Euromet.L-K4)
3. Euromet 797 Comparison on Gauge Block Measurement by Mechanical Comparison.
4. Euromet 725 Bilateral Comparison of Measurements on Indexing Tables.
5. Euromet 677 Comparison of steel tape measures.
6. Euromet 672 Determination of form/topography of high-quality flats.
7. Euromet 602 Euromet key comparison on calibration of long gauge blocks, (Euromet.L-K2)
8. Euromet 471 Short gauge blocks measured by interferometry (Euromet.L-K1).

### Pression

1. Euromet 389 100 MPa Hydraulic Pressure Comparison
2. Euromet 881: High pressure comparison - range 50 MPa to 500 MPa.

### Mesures électriques

1. BCR - EUR 10 813 EN Intercomparison of AC Electric Power Measurements in the European Communities.
2. BCR - EC Contract number 743/1/0/027/81/12-BCR-UK(30) Intercomparison of RF & Micro-wave power flux density.
3. BCR - EUR 11 316 EN Intercomparison of inductance standards.
4. BCR - EUR 11 209-FR Intercomparison of high resistance measurements.
5. BCR - EUR 12 945 EN Intercomparison of resistance standards at 1 k $\Omega$  and 10 k $\Omega$ .
6. BCR - EUR 12 955 EN Intercomparison of solid state voltage standards.
7. Euromet.EM-K5 AC power measurement at 50 Hz (Euromet project 385).
8. Euromet.EM-K11 Comparison of 10 V DC reference standards (Euromet project 429).
9. Euromet.EM-K8 Intercomparison of DC voltage ratios up to 1 kV (Euromet project 449).
10. Euromet.EM-K10 100  $\Omega$  standard resistor (Euromet project 638).
11. Euromet.EM-S26 100 mH standard inductance (Euromet project 816).
12. Euromet.EM-K2 10 M $\Omega$  and 1 G $\Omega$  resistance standards (Euromet project 851).

### Forces

1. Euromet 505 Comparison of force standards from 500 kN to 4 MN.
2. BIPM CCM.F-K1.a key comparison force 0 kN, 5kN and 10kN.
3. BIPM CCM.F-K1.b key comparison force 0 kN and 5kN.
4. BIPM CCM.F-K2.a key comparison force 0 kN, 50 kN and 100 kN.
5. BIPM CCM.F-K2.b key comparison force 0 kN and 50 kN.

### Masses

1. Euromet 510 Comparison of mass standards of the kilogram (stainless steel) .
2. Euromet 445 Comparison of mass standards in multiples and submultiples of the kilogram.
3. Euromet 461 Comparison of 500 kg mass standard weight.
4. Euromet 215 Intercomparison of stainless steel kilogram standards.

### Thermométrie

1. Euromet 732 Toward more accurate temperature fixed points.
2. Euromet 552 Comparison of the realization of the ITS-90 over range 83.805 K to 692.677 K.
3. Euromet 549 Interlaboratory comparison on water triple point cells.
4. Euromet 391 Intercomparison of the freezing point of Indium.
5. Euromet 502 Intercomparison of Argon triple point cells.
6. Euromet.T-K7 Key comparison on water triple point cells.

### Volumes

1. Euromet 692 Volume calibration of a 100 ml Gay-Lussac Pycnometer .
2. Euromet 691 Calibration Intercomparison of a 5-litre volume glass standard.

### Temps et Fréquence

1. Euromet 828 : TF.TI-K1 - Comparison of time interval (cable delay) measurement.