

### COMPUTERISED C.B.R. TEST

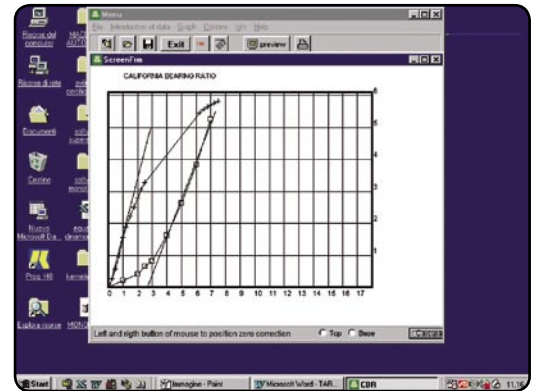
Of great interest is the possibility of using a PC interface in order to acquire test data automatically.

By using transducers and microprocessor-based EUROTRONIC control and readout units, it is possible to implement an automatic test data acquisition system thus enabling such data to be subsequently processed to provide a hardcopy of certificate.

A computer and graphic printer are indispensable.

#### Required accessories are as follows:

- AD 050/001 Data acquisition software
- AD 225/011 "C.B.R." software for WINDOWS
- AD 225/003 "Unconfined Compression" software



The screenshot shows a form with various input fields for specimen preparation and test parameters. The fields include:

- Number of points Top: 16
- Number of points Base: 8
- Top: 0.75, 1.15, 2.50, 7.00
- Base: 1.00, 1.81, 3.00, 5.40
- mm: 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25, 2.50, 2.75, 3.00, 3.25, 3.50, 3.75, 4.00, 4.25, 4.50, 4.75, 5.00, 5.25, 5.50, 5.75, 6.00, 6.25, 6.50, 6.75, 7.00, 7.25, 7.50, 7.75, 8.00
- kgf/cm²: 10.00, 15.00, 20.00, 25.00, 30.00, 35.00, 40.00, 45.00, 50.00, 55.00, 60.00, 65.00, 70.00, 75.00, 80.00, 85.00, 90.00, 95.00, 100.00, 105.00, 110.00, 115.00, 120.00, 125.00, 130.00, 135.00, 140.00, 145.00, 150.00, 155.00, 160.00, 165.00, 170.00, 175.00, 180.00, 185.00, 190.00, 195.00, 200.00
- Specimen Preparation: 50 kgf/cm² (2.25)
- Condition of Soil: Pressurizzata
- Swell (Percentage of Initial Height): 2
- Surcharge Weights (kg): STANDARD
- Note: NOTA PROGRAMMA CBR
- Moisture Content of Test Sample (%): 16.22
- Moisture Content After Test (Top) (%): 17.50
- Moisture Content After Test (Base) (%): 17.30
- Dry Density Before Soaking (kg/m³): 1.48
- Dry Density Soaked Sample (kg/m³): 1.88
- Force coefficient value, N/m²: 1.000
- Displacement coeff. value, mm/m: 1.000

The screenshot shows a window for recording data acquisition with a table of channels and their status.

No.	Time	Channel 1	Channel 2	Channel 3	Channel 4
1	00:00:10	0	0	0	0
2	00:00:20	0	0	0	0
3	00:00:30	0	0	0	0
4	00:00:40	0	0	0	0
5	00:00:50	0	0	0	0
6	00:01:00	0	0	0	0
7	00:01:10	0	0	0	0

