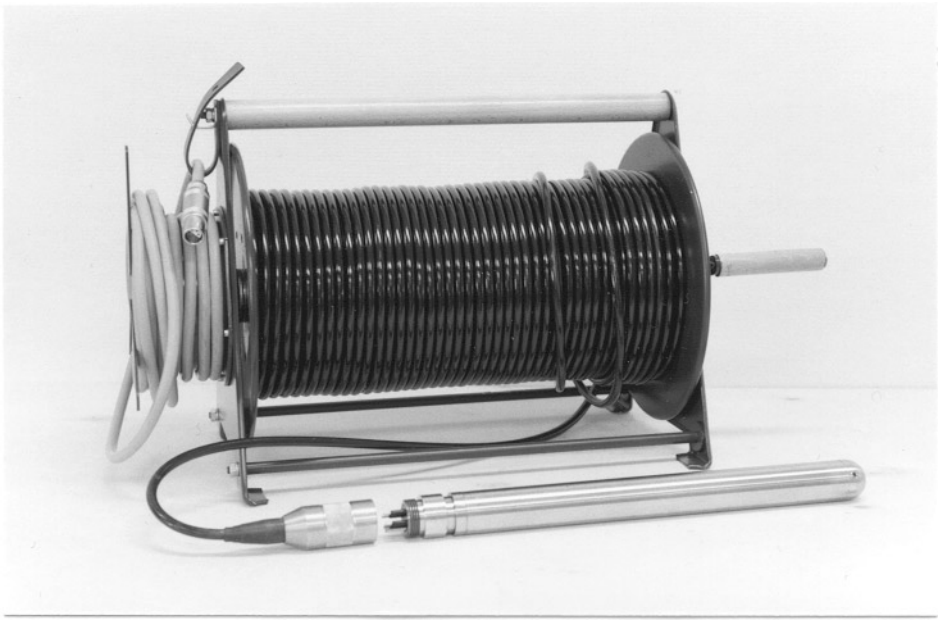
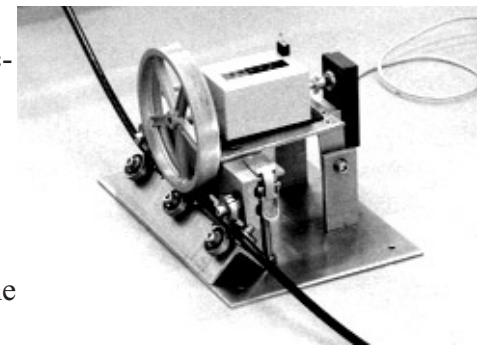
Probes and assersories for Natural Gamma-log, Flow-log, Tracer investigations and other types for gamma measure

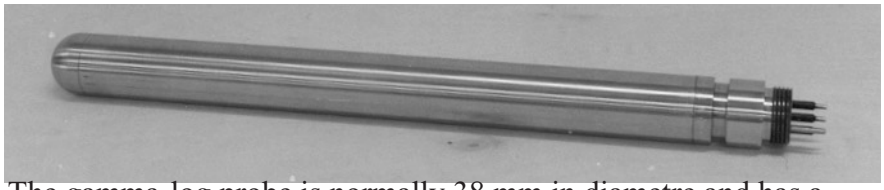


Cabledrum with slip-rings and watertight plug at the end of the cable either for connection of the natural gamma-log probe, the Moisture/Density probe, the flow-log probe, or an El-log probe. The slip-rings ensure that the cable can be rolled down or up when measuring with the probes.
If only one type of probes is necessary, the cable can be connected directly to the probe for saving the expensive watertight plugs.

Moisture/Density-log probe for deep bore holes. The probe itself is the same probe as our Soil Moisture and Density probe. The only modification is that instead of a handle in the top of the probe there is a watertight plug to be connected to the cable of the cabledrum.
For more information please see our description for the Soil Moisture and Density measurements.



Cable length measure with electrical pulse encoder. The pulse encoder ensures that the cable length is transmitted to the instrument so that a measurement with graph is taken normally for each 5 cm depth of the probe in the borehole.
Ball bearings in 3-points position give a correct guide of the cable when measuring.



The gamma-log probe is normally 38 mm in diametre and has a crystal of 25 mm dia and 50 mm long. Other types are available.

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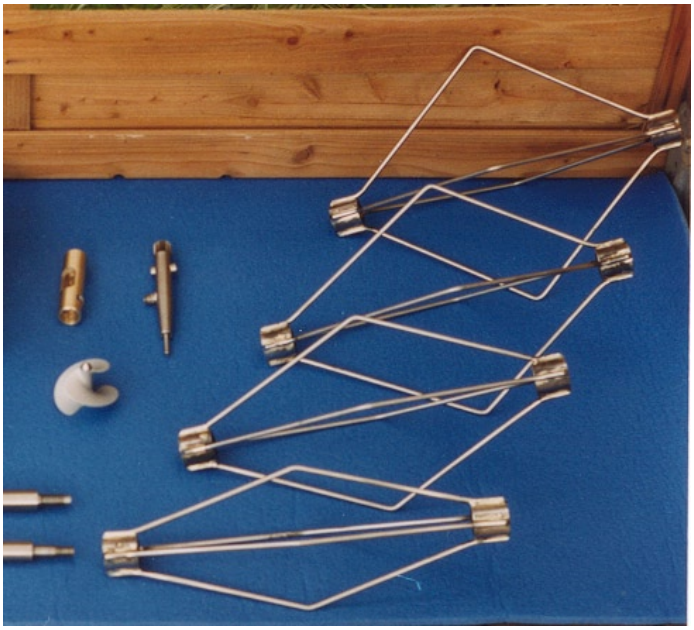
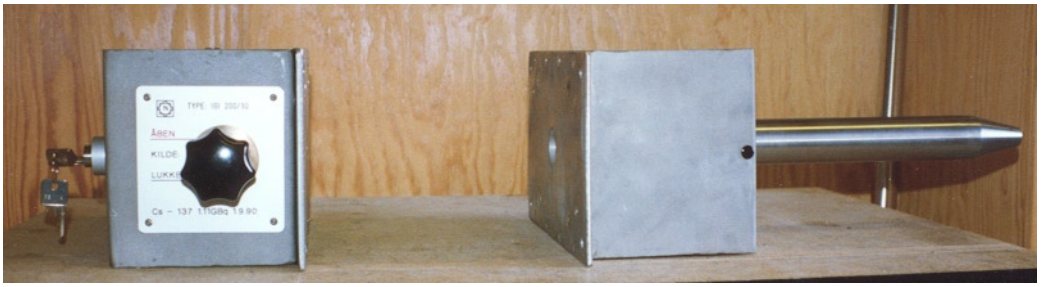
Natural gamma-log probe in a very thin version **only 15 mm in diametre.**
NUCLETRONICS has succeded in producing this speciel thin gamma-log probe.
The probe is articulated. The upper part is the probe itself, the lower part is placed only to give the probe a sufficient weight in order to sesure the lowering into the bore-hole.
The crystal in the probe is 100 mm in length and gives a fine signal for the natural gamma radiation, however, a suitable log speed will be about 1.5 m per minute.
The probe is remarkable for its cabability to enter old boreholes which may have pumps or other material mounted. A thin plastic tube can easily be placed around the probe to enable a smooth handling.

A variety of different probe shapes is available. Most of NUCLETRONICS equipment is customer design. Please tell us for which purpose you want the measurement equipment and we will will come up with a good solution.

The flow-log type PV is used to measure the speed of the flow in a bore hole.
For each revolution is going a pulse to the instrument and the revolution per minut is measured.
Calibration table is following the equipment.
Exchange able steering gear levers of 4,6,8,10 inc. are delivered with the probe.





Example of a density probe. The density of the materials between the 2 boxes is measured with a great accuracy. NUCLETRONICS also has equipment for measure the density of brake pads and also weight on conveyer belt is available. The weight on conveyer belt is interestongly for materials with low weight i.e. isolating materials as LECA.