

CP200 Instrument Features



The RIMIK CP200 is the instrument of choice for quick, accurate and easy collection of cone-index data. The RIMIK CP200 is an essential tool for non intensive soil studies involving compaction, trafficability and moisture distribution.

The CP200 incorporates some of the features of the CP300 and CP40II, but is limited to a 2 line non-graphical display, a 50 insertion memory and does not have GPS or data grouping capabilities.

What it DOES offer is ultrasonic depth sensing, NiMh rechargeable batteries, internal logging and USB connectivity all in a small lightweight enclosure with stainless steel shaft and cone. The shaft is the same two piece unit included in all current cone penetrometer models. The CP200 is stored in an easy to carry, durable fitted case.



The CP200 cone penetrometer is used to measure soil density and hardness where a detailed study of data is not the highest priority.

The CP200 has been designed for use by those who only require quick, point and shoot values of soil compaction. It suits a user who wants a comparative number and is not overly concerned about a high degree of accuracy.

It measures and records cone index values based on the load required to force a cone through the soil. The instrument will record profile data at 25mm increments to a maximum depth of 750mm.



The instrument is designed to measure soil pressures up to 7500KPa at a resolution of approximately 50KPa. The instrument conforms to ASAE S313.3 feb99.

Up to 50 full depth insertions may be recorded and stored in memory. Although it is limited, the battery capacity is designed to allow a user to undertake at least 50 insertions one after the other. The CP200 comes with a car charger so that it can be recharged in the field in a relatively short period of time. This allows the user to keep on the go from site to site.

Profile results can be viewed on the LCD screen or downloaded to a computer or laptop via the serial port with the use of RIMIK Penetrometer Reader Software.

At a fraction of the price of other logging cone penetrometers, the CP200 is a great instrument for farmers, agronomists, green keepers, race tracks curators, sporting bodies and temporary road builders. The CP200 is an easy to use, lightweight and suitably accurate cone penetrometer.

CP200 Software and Specifications:

- Windows 7® and above operating systems.
- Retrieve data from the instrument, saving in PDS format or export as a CSV or SHP file.
- Display a number of graphs of grouped inserts with average and other defined lines.
- Manipulate graphical axes, scale and type as well as print the displayed information.
- Alter metadata and instrument parameters via the software.

Assembled Weight:	2.65kg	Maximum Insertion Depth	750mm
Packed Weight including case:	4.4kg	Interval Spacing:	25mm
Assembled Dimensions:	431x1063x85mm	Memory Capacity (no.of insertions)	50
Case (optional) Dimensions:	448x362x110mm	Operating Temperature:	10 to 75°C
Max 130mm ² ASAE Cone Index:	7500KPa, 100kg	Baud Rate/Download Speed:	9600bps
Resolution:	0.5kg (~50KPa)	Screen resolution (characters)	2 x 16
Cone size (diameter / area):	12.83mm / 130mm ²	Battery Life (up to 150 insertions):	2000mAh
Shaft size (diameter):	9.53mm		