



Automatic measuring of the Bulk Density according to EN12580

Do you still measure the bulk density of your peat and substrates according to EN12580 by hand?

As many people have experienced, measuring this by hand is very time-consuming and gives results that can deviate as much as 20 percent.



previously....

The Solution

the INADCO Densimeter

Accurate and fully automatic.

Many satisfied users since the year 2000



Mounting at an Inline overshoot



Mounting at a Corner overshoot
The yellow shovel takes samples out of a vertical product stream and drops the sample in the black CEN Measuring Cylinder.

Various options are possible:

- Stand alone
- or combined with:
- a printer
- a (certified) Belt Weigher
- a data storage device
- a connection with your factory automation
- moisture-measurement
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Contact us for more specific information or look at our website.





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INADCO – Measuring bulk density with the Densimeter

INADCO is a company from the Netherlands specialized in building measuring equipment for the peat and potting soil industry and is selling worldwide.

Back in 2000, the European standard EN12580 was introduced for measuring the quantity of peat and potting soil substrates. The Densimeter – an extensively proven technology being on the market since 2000 - was developed as a response to the introduction of this new standard and is a fully automatic device, doing the procedure as described in EN12580.

This solution is sold in a broad part of Western Europe:

- Holland
- Belgium
- France
- Ireland
- United Kingdom
- Baltics

More and more (pre-)mixes and basic substrates are delivered to end-users directly from the Baltics. To prevent having ongoing discussions about the supplied quantity, the need for automated measurement is increasing.

A calibration certificate was issued by the Dutch Governmental organization, the NMI, after they did extensive testing. Because the Densimeter works without any human interference and involvement, it is much more reproducible and accurate than the manual method, so the quality of its measurements is very high.

The Densimeter requires very little maintenance, is faster, cheaper and more accurate than similar equipment currently available on the market and above that it can work with more coarse peat. Because the way it was developed, it is a machine that is easy to “understand” and it is easy to integrate it in almost any existing line. It can work as a complete stand-alone equipment, have a printed sticker as an output or can be totally integrated in a mixing line control system. For data exchange with a process computer, a series of protocols are available.

Customers use the Densimeter nowadays for different tasks in their factories:

- Measuring the peat as coming in from the peat bog for quantity and quality purposes, and making the selection between horticultural peat and fuel peat
- Measuring the quantity of peat coming in with a ship
- As equipment for measuring the substrate produced by a mixing line
- In the truck loading installation for measuring delivered quantity
- Checking the contents of filled small bags
- Dosing mixes into the Big bale Press

For achieving these results, the Densimeter can “work” together with an INADCO Belt Weigher, an INADCO Check Weigher, an INADCO Moisture Measuring device or with a third-party Weighing Bridge.