

英国 Triton 304M 污泥毛细吸水时间测试仪 CST



自 20 世纪 70 年代以来，毛细管抽吸时间被用作表征污泥可过滤性和可条件性的检测方法。污泥可过滤性是脱水设备（包括：干化床、带式压滤机、真空过滤机、压滤机和离心机）的性能。

7*9cm 滤纸产生的毛细抽吸压力用于从污泥中“吸”水。水渗透滤纸的速度取决于污泥的状况和滤纸上形成的滤饼的可过滤性。CST 是从两个电极上获得的，电极与漏斗之间的距离为标准距离。水流在这两个电极之间经过的时间构成 CST。

304M 改进了电子设备，用液晶显示器代替了机械计数器。该装置的设计和测试符合欧洲和美国的电磁兼容标准。电源输入可按欧洲或美国标准设置。

304M CST 测试仪规格

外壳尺寸：22 x 16 x 7 厘米

配置：

- 1、CST 主机..... 1 台
- 2、有机玻璃块组件..... 1 套
- 3、不锈钢漏斗..... 2 只
- 4、电源插头转换器..... 1 个
- 5、滤纸（200 张/盒）..... 1 盒

英文介绍

The capillary Suction Time has been used since the 1970's as a quick and reliable method for characterising sludge filterability and conditionability.

It is sludge filterability that predominantly governs the output of nearly all dewatering equipment including: drying beds, belt press, vacuum filters, filter presses and centrifuges.

The capillary suction pressure generated by standard filter paper is used to "suck" water from the sludge. The rate at which water permeates through the filter paper varies depending on the condition of the sludge and the filterability of the cake formed on the filter paper. The CST is obtained from two electrodes placed at a standard interval from the funnel. The time taken for the water front to pass between these two electrodes constitutes the CST.

The force generated by capillary suction is much greater than the hydrostatic head within the funnel, so the test is independent of the amount of sludge tested, as long as there is sufficient to generate the CST. Each test can be completed in a few minutes.

The model 304M CST is a replacement for the model 165CST. The electronics has been improved and the mechanical counter replaced by a LCD. The unit has been designed and tested to comply with European and USA EMC standards.

The mains input supply can be set for either European or USA standards. This unit is now the basic laboratory CST test equipment.

Specifications

Case dimensions: 22 x 16 x 7 cm

Each unit comprises of CST meter, Perspex block assembly and stainless steel funnels

Box of 200 filter papers

Also Available

Model 304B - Portable CST unit similar to the 304M in capability

Model 131/133 - Stirrer/Timer unit used to comply with European testing standards

Filter paper - supplied in boxes of 200, batch traceable for reliability.