

# STA BRANCA IDEALAIR

## COUNT CALCULATOR 10

The '**COUNT CALCULATOR 10**' (CC10) is a calculator device able to determine the linear density (mass per length measure unit) of yarn skeins and the mass per sqm (GSM). The linear density is measured in Tex, thus mass in grams of 1000 m of yarn. In Textile are used other measure units for linear density that are always linked to Tex. CC10 gives the result of linear density espressa in Tex, dTex and also in other yarn count systems as metric number (Nm), English number (Ne), English cotton number (Nec), deniers (Td), etc.



Equipped with a precision scale, in the full version, CC10 can do analyses both for the determination of yarn count according to National and International Yarn Count systems and the GSM of fabrics, paper, plastic and other materials.

Inside a laboratori the CC10 becomes extremely relevant for the determination of the yarn count researches also thanks to the formula "Quick Check" that has the availability to evaluate rapidly the result requested just after getting the first stable weighing.

The goal of our technicians is to give a workstation able to help the end user to obtain results without operating on external devices like calculator, Excel Workfiles etc., but just focusing their operation directly by a sole platform.

### LAB – Full version

- A) Count calculator CC10;
- B) Count calculator CC10 + ASCII printer to get quick paper reports;
- C) Count Calculator CC10 + Software for statistical analyses;

### PORTABLE – Full version

- A) Count calculator CC10 + ASCII printer to get quick paper reports;
- B) Count Calculator CC10 + Software for statistical analyses



## TECHNICAL DATA

Here below are listed CC10 technical specifications:

Power supply:	<p>Portable model: 5W Lithium battery or electrical plug;</p> <p>Lab model: 110/230Vac – 50/60Hz</p>
Measure range:	<p><u>Portable:</u> 0..80 g with reading accuracy <math>\pm 0,001g</math> 0..610g with reading accuracy <math>\pm 0,01g</math>;</p> <p><u>Lab:</u> 0..410 g with reading accuracy <math>\pm 0,0001g</math>; 0..600 g with reading accuracy <math>\pm 0,001g</math>; 0..4000g with reading accuracy <math>\pm 0,001g</math>; 0..6000g with reading accuracy <math>\pm 0,01g</math>;</p>
Integrated functions:	<p><b>A) YARN COUNT</b></p> <ul style="list-style-type: none"> <li>- Storage memory up to 100 results;</li> <li>- Results expressed in tex, dtex, Nm. Nec. Ne, Td;</li> <li>- Standard deviation and coefficient of variation;</li> <li>- Maximum, minimum, average and Delta;</li> </ul> <p><b>B) GSM</b></p> <ul style="list-style-type: none"> <li>- Storage memory up to 100 results;</li> <li>- Results expressed in g/m<sup>2</sup>;</li> </ul> <p>Statistical analyses:</p> <ul style="list-style-type: none"> <li>- Maximum, minimum, average values;</li> <li>- Standard deviation (St.dev%) and coefficient of variation (CV%)</li> </ul>
Scale linearity:	Under specific requests by the Customer
Scale repeatability:	Under specific requests by the Customer
Scale resolution:	Under specific requests by the Customer
External dimensions (L x P x A) (without scale)	170 x 190 x 110 mm
CC10 net weight: (without scale)	5 ÷ 8 Kg

