

Digital.coffee.counter DBK_{v4.0}

A UNIVERSAL KIT FOR ALL TYPES OF ESPRESSO COFFEE MACHINES

Patented HR P20010109



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“Zlatna kuna” for innovation HGK Zagreb 2001

www.tehnofutura.hr

1. Digital Coffee Counter

The device is used for precise overseeing of coffee preparation, normative control and automatic dosing of coffee.

It is installed as an external unit and is a universal kit upgrade for all types of professional espresso coffee machines.

Digital coffee counter controls the time of water flow in the coffee machine; after it is installed, any classical coffee machine becomes an automatic one.



The time for coffee extraction can be programmed for each group (dispenser) separately. After expiry of programmed time the **Digital coffee counter** automatically turns off the water flow. On LCD display they precisely track every prepared coffee cup.

MECHANICAL COUNTER ON THE MILL ARE NOT PRECISE

Mechanical counters used so far to oversee coffee sale were on the coffee grinder and were easy to „trick” because of the construction of the grinder itself. Therefore, they weren't precise enough and didn't present the real picture of coffee prepared.



PATENTED SYSTEM CONNECTED ON THE COFFEE MACHINE

Digital coffee counter is a patented system which successfully solves the problem of overseeing coffee preparation because it is installed on the coffee machine.

INCREASE PROFIT FOR 30%

The device manages to minimize expenses, which is evident in a **30%** increase in profits from coffee (the waiters and staff can't steal the coffee).

This makes **Digital coffee counter** one of the most profitable investments in the business which returns its price in the very first month of usage).

Controlling the normatives achieves a constant in the quality of espresso coffee, which is particularly important to producers of espresso coffee.

2. Advantages

Using *Digital coffee counter device*

- stop waiters extra profit
- pstop waiters coffee stealing
- increase coffee sale for 30%



Advantages for the business – bar owners

- precise tracking of coffee sales (coffee cups counting)
- normative control
- constant quality of coffee pouring
- saving 30% evident in the profit increase due to precise overseeing and normative control and coffee quality
- transparent reading of displayed status

The table shows a calculation with 30% increase in coffee sales with clients after installing the DBK.

| Daily sales in coffee cups | Profit increase of 30% in coffee cup | Selling price of coffee cup | Daily profit increase in € | Monthly profit increase in € | Yearly profit increase in € |
|----------------------------|---|-----------------------------|----------------------------|------------------------------|-----------------------------|
| 50 cups | 15 cups | 1,00 € | 15 € | 450 € | 5.400 € |
| 100 cups | 30 cups | 1,00 € | 30 € | 900 € | 10.950 € |
| 150 cups | 45 cups | 1,00 € | 45 € | 1.350 € | 16.425 € |
| 200 cups | 60 cups | 1,00 € | 60 € | 1.800 € | 21.900 € |
| 250 cups | 75 cups | 1,00 € | 75 € | 2.250 € | 27.375 € |

Advantages for the staff

- easier accounting and inventory of coffee
- automatic coffee dosing in classical espresso coffee machines

Advantages for coffee distributors

- control of coffee usage with bar owners - control of the monthly usage contract
- disabling other coffee brands on coffee machines owned
- precise definition of water normative secures a constant quality of the final beverage product which helps retain the "good name" of the brand-product
- raising the value of equipment - coffee machines (a classical coffee machine becomes capable of automatic coffee dosing)
- enabling the business owner to have additional control over the staff

Advantages for service personell of coffee machines

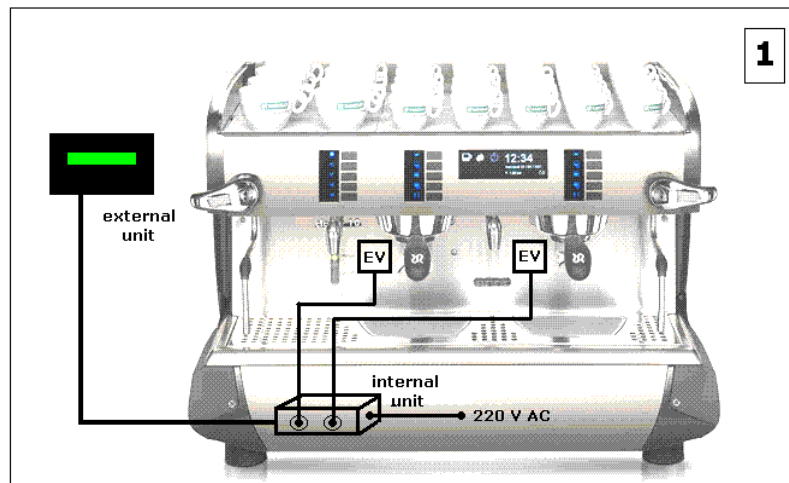
- source of additional profit through selling, installing and maintenance of DCC devices
- very simple installation process which is performed at the location of the coffee machine

3. Installation

The installation is fairly simple, takes about 45 min and is performed at the location of the coffee machine. Installation is performed by persons professionally trained to perform maintenance on such equipment.

The device does not affect the functionality of the coffee machine or the work of the staff.

The devices differ depending on size of the coffee machine; that is, the number of groups for pouring coffee (2,3 or 4 groups).



4. Technology

The products are based on patent HR P20010109, and have been developed in microprocessor technology from high-quality electronic components. Special attention has been devoted to safety in operation, counting precision and reliability of data memory storage. The warranty lasts 12 months, with maintenance and servicing valid for 5 years from manufacture date.



5. Development possibilities

We can offer development models of DBK by order to producers and distributors of coffee.

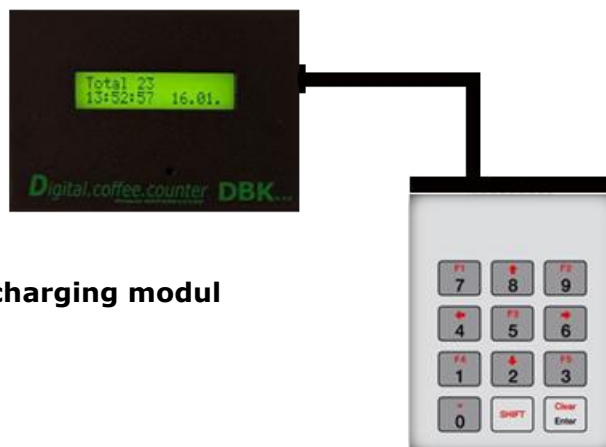
DBK+PC



Connecting a PC with the coffee machine enables connecting several machines in a network and controlling the sales from one office.

DBK Charge – for coffee dealers

This model of the DBK counter guarantees the coffee distributor that the business owner will use only their coffee.



DBK + coffee charging modul

Digital coffee counter Charge is intended for companies in the coffee distribution business. This device automatically turns off the coffee machine after the pouring of a previously programmed number of coffee cups. According to the amount sold, the coffee distributor programs the number of cups that can be poured from the coffee machine before it shuts down automatically. The coffee machine can be turned back on only by the coffee distributor. Therefore, the distributor has a guarantee that the coffee used was purchased from him.

This device is particularly useful to distributors who let the businesses use their coffee machine. **Digital coffee counter Charge** is developed by orders and needs of the distributors.

Advantages for coffee distributors

- control of coffee usage with businesses - control of the monthly usage contract
- disabling other coffee brands on coffee machines owned
- precise definition of water normative secures a constant quality of the final beverage product which helps retain the "good name" of the brand- product
- raising the value of equipment - coffee machines (a classical coffee machine becomes capable of automatic coffee dosing)
- enabling the business owner to have additional control over the staff

5. References

The placement of the DCC device has started in year 2001 and has to this day stayed up to date with the advances in technology. The 4th generation of the device has been developed, used by more than 2000 businesses in RH, but also in SLO, BiH, and Serbia and Montenegro. A list of referent work is obtainable on request.

Awards from professional judges at big international fairs of innovations and new products speak of the quality of the DCC system:

- ❑ Golden award »INPEX2001«, Pittsburgh, SAD, category: food & beverage
- ❑ Golden award »INPEX2001«, Pittsburgh, SAD, category: show management
- ❑ Silver award »INNOVATE«, London, GB, category: food & beverage
- ❑ Golden award »MOS«, Celje, SLO, category: new technology
- ❑ Golden award »ARHIMED«, Moscow, RUS, category: new products
- ❑ Special award »RusPatent«, Moscow, RUS
- ❑ ZLATNA KUNA for innovation 2001 Croatian Chamber of economy



7. Technical data

Name : **DBK v.4.0**
Patent: P20010109
Power supply :220 V AC
Power : 100 mA
Dimension:
Internal unit: 20 x 83 x 30mm
External unit:125 x 88 x 55mm



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Made in Croatia

8. Licence

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