

• Yield calculation example

When 140g (ml) of coffee brewed from 12g of grounds measures 1.8% Brix:

When 1,600g (ml) of coffee brewed from 100g of grounds measures 1.6% Brix:

$$\frac{1.6 \times 1600}{100} = 25.6\%$$

Typical correlation

•Too low a yield = sour-tasting coffee

•High Brix = strong coffee

•Too high a yield = bitter-tasting coffee •Low Brix = weak coffee

*The Brix / concentration of coffee may not always be indicative of its yield.

Before & After Measurement

• Zero-set the unit with room temperature water.

Make sure that both the unit and water for zero-setting have been acclimated to room

zero-setting have been acclimated to room temperature.

• Keep the prism clean.

Residues left behind may cause erroneous readings. Clean the prism thoroughly after each measurement. Cotton swabs work well for cleaning the edges.

Tips for Measuring Different Types of Coffee

Common for all types

The concentration of coffee changes over the course of the extraction process.

Gently stirring the coffee will even out the consistency and promote measurement stability.

•French press coffee

Pour the coffee into a cup and let it sit undisturbed for a while to allow particles to sink to the bottom. Avoid sampling from the oily surface.

Espresso

Espresso generally contains more particles than drip coffee. Measurement fluctuation by 0.5% is common.

When cupping

Scoop out any floating grounds and oil thoroughly as they may cause unstable measurements.



MY COFFEE RECIPE

Ideal for top quality coffee recipe management.

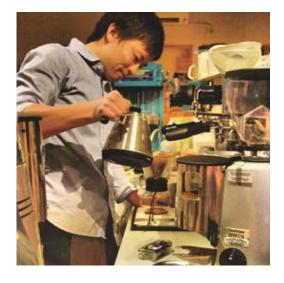
The Hoshikawa Café occupies a relaxing, wood-finished space in Kumagaya, Saitama. With only a few seats, the café is nevertheless a popular destination. Customers flock here for the owner's service, the coffee brewed from coffee beans airfreighted from Norway, and the pancakes baked from locally produced flour. The coffee to order here has to be the single origin brewed in a coffee press. The hot coffee is good, too, but their iced coffee is alluring in summer. There is probably nowhere else in Saitama to enjoy coffee this invigorating and clean-tasting. PAL-COFFEE is put to work in settling on the coffee brewing recipes.



The flavor of Norway in northern Saitama







HOSHIKAWA CAFE

1-77 Hoshikawa, Kumagaya-shi, Saitama-ken Japan TEL:81-48-594-7574 http://www.hoshikawa-cafe.com

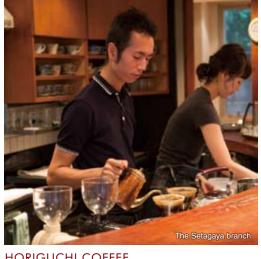
Horiguchi Coffee occupies a onetime retail space refurbished in April 2013, and besides its carefully selected in-season coffee beans boasts an impressive line-up of coffee-related equipment. The café space serves a variety of coffees from drip coffee to fancier variations, with a daily changing menu of parfaits and sandwiches. The Setagaya branch offers the added enjoyment of an espresso menu. PAL-COFFEE is used here to consistently recreate those winning flavors.



The New Coffee Classic







HORIGUCHI COFFEE

The Setagava branch: 1-12-15 Funabashi, Setagava-ku, Tokvo Japan TEL:81-3-5477-4142

The Komae branch: 1-1-30 Izumihoncho, Komae-shi, Tokyo Japan TEL:81-3-5438-2143 http://www.kohikobo.co.jp

The espresso that won the 2003 World Barista Championship can be enjoyed in Shinjuku and in the Hikarie ShinQs shopping mall in Shibuya. For espresso, choose between single origin and blend, both featuring exquisite balance between mouthfeel, acidity and other elements. The cafés have their own roaster, so you can watch the roasting take place before you. PAL-COFFEE helps ensure that Paul Bassett espresso maintains its uniform world-class brewing



A coffee shop with the cred of a champion barista







Paul Bassett Shinjuku

http://lcdhpb.jp

Shinjuku Nomura Bldg. B1F, 1-26-2 Nishishinjuku, Shinjuku-ku, Tokyo Japan TEL:81-3-5324-5090 http://www.paulbassett.jp

Paul Bassett Shibuya Hikarie ShinQs

Shibuya Hikarie ShinQs B2F, 2-21-1 Shibuya, Shibuya-ku, Tokyo Japan TEL:81-3-5468-3165

No more fluctuation! Secret to stable measurements.

When measuring hot coffee with a conventional refractometer, the readings tend to fluctuate at the beginning. This is because it takes some time for the temperature of the coffee to be detected by the refractometer's sensor.

The PAL-COFFEE waits until the sample temperature is measured accurately to start measuring, producing accurate, stable readings. While it depends on the brewing method, it takes quite a while for freshly brewed coffee above

80°C to cool down completely.

With the PAL-COFFEE, measurement fluctuation has been reported to be less than 0.1%. This high repeatability enables even inexperienced users to achieve accurate results.

It is recommended to take 3 consecutive measurements to ensure absolute accuracy. You can be confident that the 3rd reading is the fully stabilized value.

