

## FAQs Mütek™ PCD-06 – FOR INTERNAL USE

Status June 2021

### 1. What is different compared to PCD-05 Smart?

#### ■ Product setup

The PCD-06 comes with embedded display and titrator. No more external modules. Analog outputs for mV and pH integrated, no more external titrator adapter necessary.

#### ■ Piston connection

Piston engages while measuring cell is pushed onto the unit. Still the same tight mechanical connection for viscose samples. Piston in same position every time.

#### ■ Titrant tube handling

All tubes are internal, no more handling by user needed. All tube endings in position to inject into measuring cell.

#### ■ Product variants

There is a new variant with 1 titrant pump available. PCD-06 Light: no pumps; PCD-06 Standard: 1 pump; PCD-06 Premium: 2 pumps.

#### ■ Start-up time, rinsing times

Faster booting sequence. No more modules to be connected. Titrant bottles and measuring cell permanently installed during transport. Rinsing times reduced through faster pumps and shorter tubes.

#### ■ Improved shape of measuring cell

For easier connection of pH probe and better view into cell

#### ■ Detailed help menu

With animations and handling tips

#### ■ Noise reduction with dosing pumps

No more click-click-click

#### ■ Sample volumes ≠ 10ml possible

A sample volume different from "standard" 10ml can be entered, and  $\mu\text{eq/l}$  will be calculated accordingly

**2. Is it still mandatory to use a smartphone?**

Full operation via integrated touchscreen. No more connection to Smartphone etc. necessary.

**3. Does the PCD-06 feature Ethernet/WiFi?**

It is prepared for both, but not implemented in first release. Both interface will be for network connectivity, no longer for user operation.

**4. Why can't the other door be opened?**

It is a screwed cover plate. The whole left side of the unit is prepared as platform for future functionalities.

**5. Internal tubing vs. air bubble visibility**

We used to promote the external tube system through the visibility of air bubbles.

In the PCD-06, the tube system is kept short, the tube diameters are smaller and the pumps dose much faster. This concept displaces air bubbles sufficiently, without finger snipping the tubes.

**6. Internal tubing vs. back-flushing of titrants**

We used to promote the external tube system through the possibility to back-flush titrants.

The tube endings are mounted at a fixed position, so back-flushing of titrants directly into the titrant container is no longer possible. The fixed tube position however avoids 1 working step (positioning of the tube) and avoids handling errors (forgetting to position the tube, use the wrong tube)

**7. Tube ending can no longer dip into sample**

We used to advise customer, that tube endings should dip into the sample, to avoid that droplets remain hanging at the tube end.

The new dosing tips have a small precision end, droplet volume is around 0,5µl, which is a neglectable error.

**8. Can the PCD-06 take external titrants?**

Titrants from external bottles cannot be fed into the PCD-06 titrator. However, on demand this possibility can be realized.

**9. Can I leave acids/base bottles inside during transport?**

Not recommended.