

Portable micro-motor: Adventurous and unrestricted?

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- Studies of dentistry at the WWU in Münster
- Head of dental department in the Federal Armed Forces
- 1978 setting up a dental practice in Marl
- 1999 joint practice with Dr. (H) Peter Stickel
- Activity emphases: Panel dentist, medical journalist with more than 1,000 publications
- Treatment emphases: dental medicine, treatment of people having social issues, prophylaxis in children, treatment of disabled people under anaesthetic
- Author of a guideline on how to meet the requirements for reprocessing medical devices in conformity with the Medical Devices Act for the dental Practice

Recently, I read in a highly regarded dental publication of the dentist drilling, treating and providing aid out in the middle of the desert, just next to the off-road vehicle, with the nearest hospital probably hundreds of kilometres away. Men love adventures. Full of excitement, we enjoy watching others survive life-threatening adventures in the jeep of that wellknown cigarette brand bearing the humped animal on its packaging. Owing to mobile medi-

cal technology, treatment at a good level can even be provided in such contexts. I recently needed something similar. A long-term patient (glioblastoma, radiotherapy, palliative care, mucositis) presented with a pressure sore and requested a home visit, since he was not able to walk. This posed no problems for me, since our joint practice has looked after patients in two old age homes for years. In the homes, there are infirmaries where the mostly bed-ridden patients receive special care. Our agreement with management is that we see the patient at the respective home if any dental problems arise. If we determine that more complex diagnostic and therapeutic measures are necessary, the patient is brought to our practice by ambulance. Often, seniors are already edentulous, and sometimes only the usual problems with tooth #28 occur. In these situations, a useful mobile device we employ is the cordless Bravo Portable II (Hager & Werken), a small and portable micro-motor. Similar to mobile phones, it is remarkable how the dimensions of batteries have decreased while their running time has increased. Inside the Bravo Portable II, a nickel-metal hydride battery with a voltage of 15 V provides a running time of 8 hours. With this, you can make all of the old age home residents fit and happy again without having to recharge once. The device can be recharged more than 500 times, yielding a service life of many years. Twenty years ago, I bought the predecessor of the Portable II and it was only recently that I had to replace it with the newer model.

The manufacturer provides a comprehensive instruction manual with its motor, which is compatible with any standard handpiece. The manual states that the Portable II needs to be charged with the charging unit for only 6 hours to be fully charged. Of course, the motor runs as well counter-clockwise as clockwise. Rotations can be preselected from 1,600 to 25,000 with a

standard contra-angle-handpiece (blue ring). Owing to its low weight of 300 g and a clip to attach it to a belt, the device can be carried everywhere. Face every treatment situation with confidence, whether it be a home visit, in an old age home, at a correctional facility or even in the wilderness.

The elderly patients at the nursing home will thank you for being able to resolve their pressure spots on-site instead of taking their prostheses to your practice. Just make sure that you always keep your Bravo Portable in sight, and if it goes missing, have a look in your son's workshop. The small portable micro-motor is also suitable for filigreed craft-work, so it is popular with non-dentists too.

Available since April

The Bravo Marathon Portable III features a number of improvements. It is more powerful and has a higher torque. Equipped with a state-of-the-art battery, it offers an infinitely variable 4,000 to 35,000 rpm. Running time extends to 12 hours with the battery only requiring 5 hours to be fully charged.



The new Bravo Marathon Portable III saves space when clipped to a belt.



Bravo Marathon Portable III

Powerful, portable micromotor

- Allows working everywhere, ideal for home visits
- Infinitely variable motor with backward- and forward running (4,000 – 35,000 r/min)
- Lithium-ion accumulator for longer working times of up to 12 hours
- Recharging time approximately 5 hours
- Only for extraoral works
- Suitable for every standard hand and contra-angle piece with plane shaft without intra-spray and without light conductor
- Can be attached to the belt, space-saving



Weight 300 g

Article description	REF
Bravo Portable III with belt bag and recharger	452 130