

# PROLAB

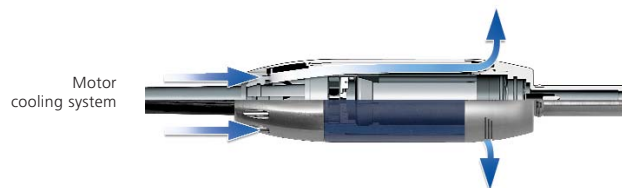
## Electronic laboratory control unit

### Basic



### Simple and efficient

Simplified version. Speed adjustable by thumb wheel from 1,000 rpm to 40,000 rpm. Buttons for selection of Forward/Reverse and for speed limiting to a maximum of 30,000 rpm. Indicator lamps warning of overheating of the motor and control unit, and of motor connection. The motor is self-ventilated, easy to handle and rugged, especially suitable for laboratory requirements, and provided with an E Standard coupling as per ISO 3964, matching most handpieces.



### Motor and PML 1:1

The efficient, rugged Prolab motor, self-ventilated and without brushes or sensors, is fitted with the E Standard coupling as per ISO 3964, the commonest coupling in the world. Specially designed for Prolab laboratory control units, it operates smoothly at all speeds. An ideal extension, the direct-ratio straight handpiece PML 1:1 is provided with a very efficient enhanced bur locking system and motor antirotation system. Rotational speeds up to 40,000 rpm. Maximal speed of rotation 40,000 rpm.

\* The PML 1:1 handpiece is not included in the PROLAB sets



## Product Improvements

With On/Off pedal



With progressive pedal



### The Prolab Basic set comprises:

- 1 Prolab Basic unit with choice of floor pedals, On/Off or progressive
- 1 motor cable
- 1 unit mounting
- 1 support for instrument

### Optional Accessories:

**Self-ventilated Prolab motor,**  
E Standard coupling as per  
ISO 3964, speed from 1,000 to  
40,000 rpm maximum, in both  
directions of rotation



or

**PM Prolab handpiece**  
with integral motor, speed from  
1,000 to 50,000 rpm, in both  
directions of rotation. Speed limited  
to 40,000 rpm with Prolab Basic

### REF set

1700041-001	Prolab Basic, On/Off pedal, E standard motor
1700252-001	Prolab Basic, progressive pedal, E standard motor
1700253-001	Prolab Basic, On/Off pedal, PM with built-in motor
1700254-001	Prolab Basic, progressive pedal, PM with built-in motor

### General data - Prolab Basic unit

Type	Laboratory control unit
Classification	In conformity with machinery directive 98/37/EC
Supply voltage	100 - 240 Vac
Frequency	50 - 60 Hz
Unit dimensions (L x H x D)	92 x 306 x 232 mm
Unit weight	2,500 g
Cable weight	150 g
Control unit + motor temperature	Electronically controlled
Electromagnetic compatibility	EN 61000-6-1, EN 61000-6-3
Safety	EN 60335-1
Speed	1,000 to 40,000 rpm max.



An ideal extension of the Prolab  
motor, the direct-ratio PML 1:1  
straight handpiece