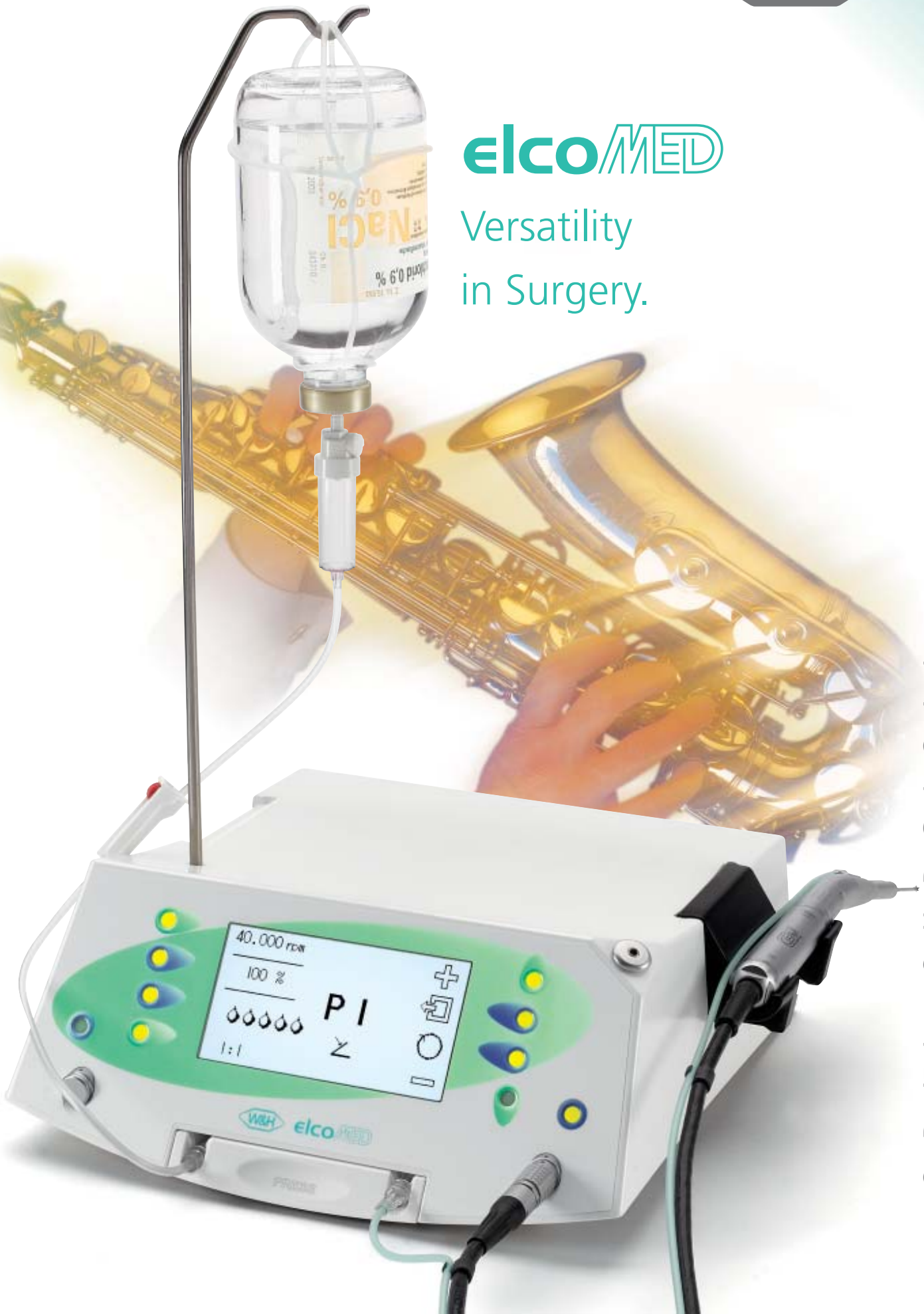




elcoMED

Versatility  
in Surgery.



O R A L S U R G I C A L



NaCl  
Ch. Nr.: 343310  
% 0.9  
2

20 rpm

40 %

P12

●●●●●

20:1

W&H elcoMED

PRESS

# The Key to Successful Treatment.

Complex surgical procedures require high professional expertise and qualifications. In addition, the surgeon needs intelligent units which will facilitate the achievement of the best treatment results.

**Supreme in all areas.** Elcomed provides the surgeon and implantologist with a powerful and multifunctional surgical unit. Its wide performance spectrum makes it suitable for use in maxillo-facial surgery, implantology, microsurgery and small bone surgery.

## Elcomed – the more intelligent system:

- brushless motor: high power and high torque – 200 W, 10 Ncm
- wide speed range 20 – 50,000 rpm on the motor
- high torque accuracy due to calibration, 2 – 70 Ncm
- 20 individually adjustable program locations
- initialization via chip card
- documentation function
- suitable for use in operating theatres



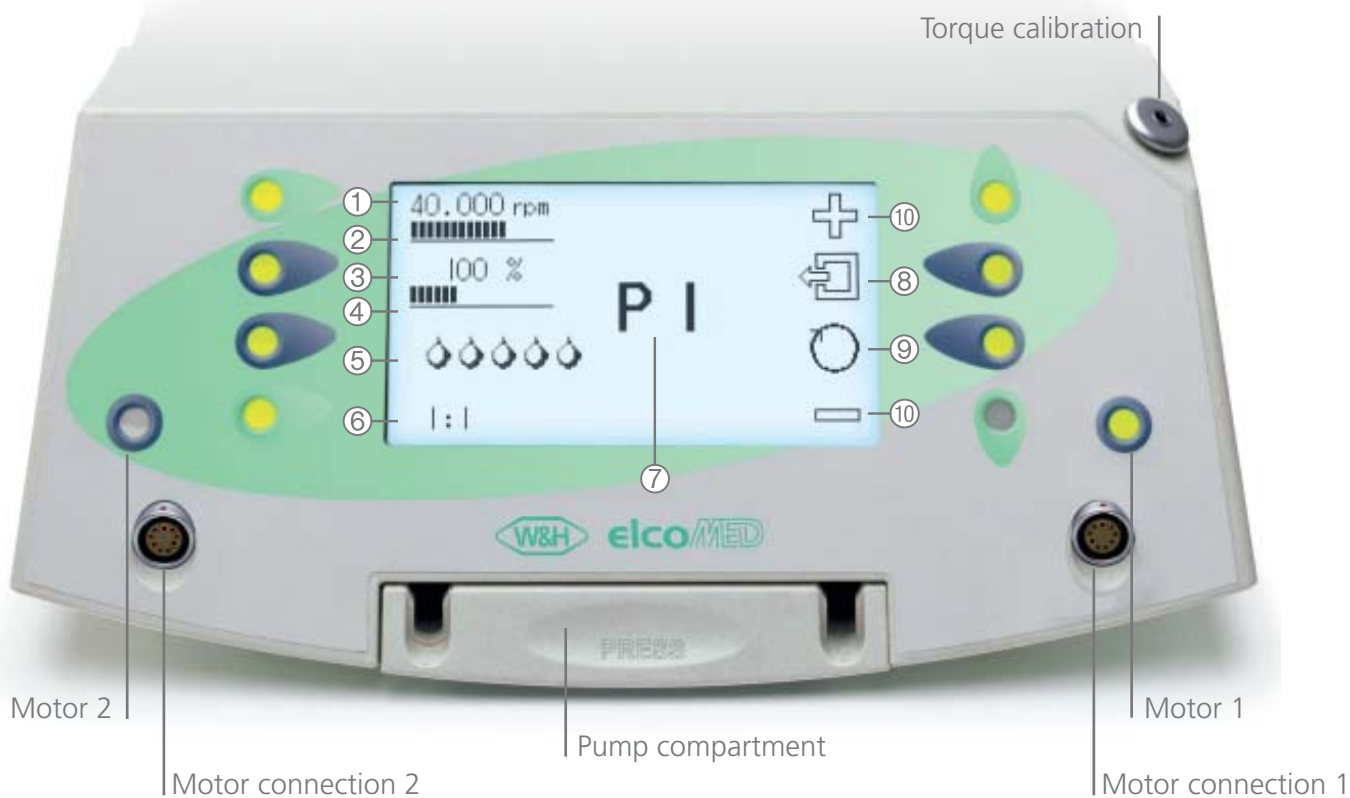
# Virtuosity in operating convenience.

The Elcomed operating concept places particular emphasis on compact design and user friendliness.

All significant parameters immediately appear on the graphic display. Elcomed is operated with illuminated push-buttons with a perceptible pressure point and audible confirmation.

All main functions can be operated from the front panel. 20 program locations are available for storing treatment stages. Elcomed automatically saves the values set in the program.

Elcomed has two motor connections. A second instrument can be prepared and connected for additional treatment stages if required.



## The Elcomed display:

- |  |                      |                          |
|--|----------------------|--------------------------|
| ① Preselected maximum speed (rpm)                          | ⑤ Coolant flow       | ⑧ Menu change            |
| ② Analog bar – shows the actual speed                      | ⑥ Transmission ratio | ⑨ Motor rotary direction |
| ③ Preselected maximum torque (% or after calibration, Ncm) | ⑦ Program location   | ⑩ Adjustment +/-         |
| ④ Analog bar – shows the actual torque                     |                      |                          |

## Professional: initialization.

'Initialization' means setting the Elcomed to preselected values with the INI card. Whenever the INI card is inserted, the stored programs are available for use.

## Operator-orientated initialization:

Individual program settings can be saved on the user's personal INI card.

## System-orientated initialization:

Most implant systems prescribe accurately defined operating parameters for the treatment stages involved.

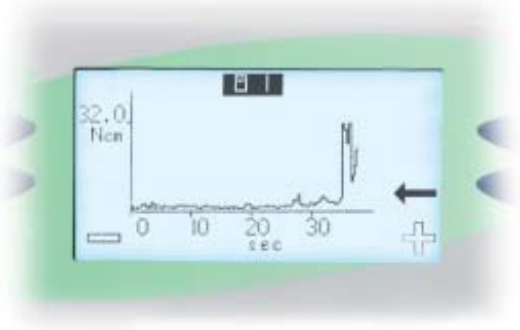
The corresponding program settings are saved on the INI card.



## In black and white: documentation.

Professional procedures also include the documentation of treatment and patient data for organizational, medical or forensic purposes.

Elcomed SA-200 C permits the storage of torque characteristics of a treatment stage. Data can be saved on the DOC card for archiving purposes and shown on the display again at any time.



Record of torque of a treatment stage.

## Sturdy foot control.

The base of the foot control has a special surface finish to ensure it remains securely positioned on the floor. The flat surface makes it particularly convenient to operate irrespective of whether the surgeon is in a standing or sitting position. The great advantage is that both hands remain free and allow the operator to concentrate on the surgery.

Preselected programs can be switched by foot. The motor speed can be smoothly regulated using the variable control.



Foot control S-NV

# Superlative in all surgical procedures.

**S**urgical interventions require a robust unit combined with finely adjustable controls. And it is here where the strength of the Elcomed lies.

At 10 Ncm, it has superlative torque. In all applications, the motor offers safety and suitable reserves of power.

The universal application of Elcomed also comes from its extremely wide speed range from 20 to 50,000 rpm.

The brushless motor is reliable, maintenance-free and sterilizable. Its quiet running minimizes distraction during complex procedures. Surgical instrument attachments with ISO connections are compatible.

*low heat generation*

*light, handy*



*ISO connection*

*sealed and permanently lubricated bearings – quiet running*

*robust, powerful torque*

*brushless motor – reliable, maintenance-free*

*can be sterilized up to 135 °C*

## High torque accuracy – safety during treatment.

Elcomed SA-200 C offers torque control from 2 to 70 Ncm.

The success of individual treatment stages is largely dependent upon the maintenance of a specific torque. However, the torque output will be influenced by the type, age and quality of maintenance of the instrument used.

By providing the facility for torque calibration, Elcomed SA-200 C offers a solution which points the way forward.



This calibration system measures the torque output on the instrument and automatically compensates for torque losses.

The result: high torque accuracy and safety during treatment.



**Protective cooling.** Optimum cooling is important for good treatment results. With an adjustable coolant flow of approx. 40 – 130 ml/min., the pump meets the requirement for tissue-protecting procedures. It can be switched on or off at the unit or with the foot control.

The practical front-loading pump compartment allows the pump hose to be easily inserted and exchanged from the front of the unit.

**Prime location.** The practical motor and handpiece support can be fitted either on the unit or another suitable position.



**Hygiene made easy.** Motor, cable, mandrel and handpiece support can be sterilized up to 135 °C.

The motor, cable and instruments can be given



additional protection during sterilization by utilizing the optional sterilization case.

The front panel of the unit is easy to clean and can additionally be covered with a protective sterile film.

**Operating theatre compatible!** Elcomed complies with all relevant standards and directives:

- Safety IEC 601 standards
- EMC tested
- AP tested, Zone M for motor with cable and foot control
- CE 0297



**Warranty.** Elcomed complies with the strict European directives for Class IIa medical products. W&H provides Elcomed with a 1-year warranty.

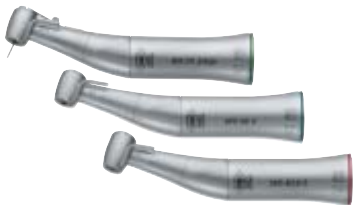
## Technical data:



## Elcomed

Type:	SA-200 C	SA-200
Torque limitation:	with calibration, 2 – 70 Ncm	10 – 100 %
Documentation:	yes	–
Initialization:	yes	yes
Supply voltage:	100 – 130 V or 220 – 240 V 50/60 Hz	
Max. power output/ torque at the motor:	200 W/10 Ncm	
Motor speed:	20 – 50,000 rpm, Safety stage at 40,000 rpm	
Provided instrument attachments:	ISO connection DIN 13.940, ISO 3964, without light	
Length cable:	1.8 m or 3.5 m	
Coolant flow:	approx. 40 – 130 ml/min	
Height/width/depth:	119 x 300 x 298 mm	
Total weight:	7.6 kg	6.8 kg

## The Elcomed accessories.



W&H surgical contra-angles



W&H surgical handpieces



Variable foot control S-NV 1 – ergonomically designed, with less effort required for speed regulation.



Treatment trolley ST-GN, stainless steel, height adjustable.



Step wedge for S-NV – increases the slope of the foot control by 4°.



Sterilization case – with appropriate compartments for motor, cable, handpieces etc.



Transportation case ST-K 29 – for transport of unit and accessories to other locations.

Technically perfect solutions from W&H.

Order W&H Elcomed through your dental supplier.



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ISO 13485  
Annex II  
93/42/EWG  
EC 0297