Dentaport ZX – Reliable Apex Location – Perfect Endodontics
Curing with High-Powered Parallel Precision
Thinking ahead.
Focused on life.
Key product features include the apex locator and optional canal-preparation and light-curing functions. In addition, the multi-joint feature lets you change the function just by changing the handpiece.
Main Features

Modular Root-Canal Treatment Instrument Dentaport ZX
By attaching modules to the Root ZX Module as an apex locator, the dentist can prepare canals and use a LED curing light device.

Multi-Joint Tube
Simply switch handpieces to use whichever function you need.

Compact and Light Handpieces
Both the motor and the handpieces of curing light are ergonomically designed to be well-balanced and fit perfectly in your hand.

Programs
The instrument’s programs can store three sets of values simultaneously.

Apex Locator

Accurate Measurement
The accuracy of the measurement is not affected by the presence or absence of blood, other discharges, electrolytes, saline, tap water or hydrogen peroxide.

No Zero-Adjustment
It is not necessary to set the device on zero before measuring each individual canal.

Automatic Calibration
Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal even during the treatment.

Canal Preparation

Prepare Canals while Simultaneously Taking Measurements
Accurate and precise preparation of the root canal.

Flexibility: 8 Speed Ranges
150, 200, 250, 300, 400, 500, 600, 800 rpm

Five-Function Auto Control System
- Auto Apical Reverse
- Auto Torque Reverse
- Auto Start and Stop
- Auto Apical Slowdown
- Auto Torque Slowdown

LED Curing Light

Powerful Parallel Light Beam, with Intensity 1,000 mW/cm²
Maintains power even at a distance of 10 mm.

Compact Design
It easily reaches even the distal side of molar 7.
Industry-Standard Apex Locator
Root ZX Module

Accurate Measurement
The ratio technique used in the instrument provides a highly accurate detection of the file’s location. The accuracy of the measurement is not affected by the presence or absence of blood, other discharges, electrolytes, saline, tap water or hydrogen peroxide.

No Zero-Adjustment
It is not necessary to set the device on zero before measuring each individual canal.

Automatic Calibration
Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal, even during the treatment.

Large Color Display
The large color display is easy to read, providing both precision and high contrast. The action of the meter in the display corresponds exactly to the tactile sensation of using the file.

Changeable Working-Length Dot
The working-length dot is easy to change. It can be changed between 2 and APEX.
By showing the file position and using 5 automatic control functions, this instrument allows you to prepare canals with accuracy and precision up to any desired point inside the canal – and reduces file jamming and breakage.

5 Automatic Control Functions

Foot Switch for Easy Operation

You can attach the optional foot switch to use it as the micro motor on the dental units. When a root-canal measurement isn’t possible, you can activate the motor by the foot switch. The foot switch is especially helpful for preparing the upper part of the root canal.

Accurate preparation
Auto Apical Reverse

File stops and reverses when it reaches the end of the set working length. You can also set stops manually or adjust the interval between stopping and reversing.
Reduced file breakage
Auto Torque Reverse
File stops and reverses if the torque goes over the set torque limit. Torque limit can be set at 11 levels.

No switch to turn on and off
Auto Start and Stop
Motor starts when file is inserted and stops when it is withdrawn.

Precise control
Auto Apical Slowdown
File slows down as it approaches the end of the set working length, ensuring safe and sure preparations.

Reduced file breakage
Auto Torque Slowdown
File slows down as the torque approaches the set torque limit.

Easily Add and Change Functions – both Preparation and Light-Cure Functions are Available

For attaching the canal-preparation and curing light module to the instrument, you can use a connection point for the handpieces that provide these functions. To change the function, simply exchange the handpiece.

Comfortable Handling
The handpiece is both comfortable and sensitive.

- Weight: only 70 g (approx.)
- Compact head size: only 12.5 mm
- Speed: 150 to 800 rpm with 8 speed ranges

A Smaller, Lighter, Finer Motor Handpiece
Ergonomically Designed to Minimize Fingertip Stress

165 mm (1:1)

12.5 mm
Parallel-Light Beam is Powerful even at a Distance

Even at a distance of 10 mm, the light retains 80% of its power.

In Both Cases, You Will Have enough Adhesion Strength

It can be used for the bonding of the fiber post because of the high power at a distance of 10 mm.

There is no difference of the size of the circle spot between 10 and 1 mm. So, the power does not change even at the distance of 10 mm.

High-Powered LED Curing Light

A powerful curing light – with intensity 1,000 mW/cm² – that works even at a distance of 10 mm. It delivers an even intensity both in the center and at the edges of the irradiation field. Composite curing time: 20, 10 sec., bonding time: 10 sec.

Set Irradiation Time

Set timer from 5 to 40 seconds in 5 second steps

Light, Compact Handpiece

Ergonomic design for optimum performance and handling.

Compact Head Rotates

The light and compact head also rotates for ideal handling inside the oral cavity. Easily reaches molar areas.

- Head diameter: 15.5 mm
- Head height: 16.0 mm
- Weight: approx. 60 g
- Head rotation: 300°

Perfectly Balanced

Ergonomically designed for optimum handling. The handpiece is perfectly balanced and designed to fit the hand exactly, so it reduces the stress and load on your fingertips.

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### Trade name: Dentaport ZX

### Model: DP-ZX

Manufacturer: J. Morita Mfg. Corp.

### Specifications

#### 1 Root ZX Module
- Rating: DC 4.5 V
- Power Consumption: 0.2 VA
- Size: W 105 X D 105 X H 115 mm
- Weight: approx. 400 g

#### 2 Canal-Preparation and Curing Light Module
- Power consumption: 20 VA
- Charger: Rapid Charge Type
- Size: W 105 X D 127 X H 115 mm
- Weight: approx. 430 g

#### 3 Main Tubing
For Motor Handpiece and Light Cure

#### 4 Motor Handpiece and Contra Angle
- Diameter: max. 18 mm
- Length: 165 mm
- Weight: approx. 70 g (including contra head)

#### 5 Light Curing Handpiece
- Diameter: max. 18 mm
- Length: 150 mm
- Weight: approx. 60 g

#### Accessories
- 1 x handpiece rest
- 1 x AR spray
- 1 x AC adapter
  (100 V–240 V 50/60 Hz)

#### Optional
- Foot Switch

### Design and specifications are subject to change without notification.
Motor Tri Auto ZX

Cordless Canal-Preparation and Measurement Instrument
This instrument is a cordless handpiece that measures and locates the position of the file tip during preparation for safer and quicker treatment. When used with nickel-titanium files, which have exceptional flexibility, it can prepare even curved canals – which are usually quite difficult to treat.

- **Three Auto Safety Functions**
  - Auto Start and Stop
  - Auto Torque Reverse
  - Auto Apical Reverse

- **Canal-Measurement Capability**

- **Easy Handling**
  File tip-location identified by LEDs on handpiece and by audible signal.

- **Battery-Powered Motor** eliminates the bother of a cord.

Manufacturer: J. Morita Mfg. Corp.

Related Products

EndoWave nickel-titanium files meet perfectly all the requirements for root-canal preparation with a handpiece. They are optimally designed for use with the Dentaport ZX. Only five files are required for preparation in a straightforward sequence.

- **Anti-Screwing Design**
- **Unique Safety Tip**
- **Optimum Cutting Edges**
- **Extremely Smooth Surface Texture**

Manufacturer: J. Morita Europe GmbH

For detailed information, please see separate EndoWave leaflet.

The EndoWave file system includes two basic procedure kits: Kit A for normal root canals, Kit B for severely curved and narrow root canals.

Color-coded rings ensure the correct file can be quickly selected.
In 1916, Junichi Morita started to import products of the leading dental equipment manufacturers into Japan, where demands for modern dentistry were growing. His venturesome attempts of supplying selected products for oral healthcare has grown steadily by receiving valuable support and guidance from the dental profession. His enterprising spirit lives through the decades, and all Morita Group Companies join in continuing to pursue marketing, distribution and services, as well as R&D and manufacturing, in collaboration with world leaders in healthcare products and research organizations.

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