



Dentaport ZX – Reliable Apex Location – Perfect Endodontics  
Curing with High-Powered Parallel Precision

 J. MORITA MFG. CORP.

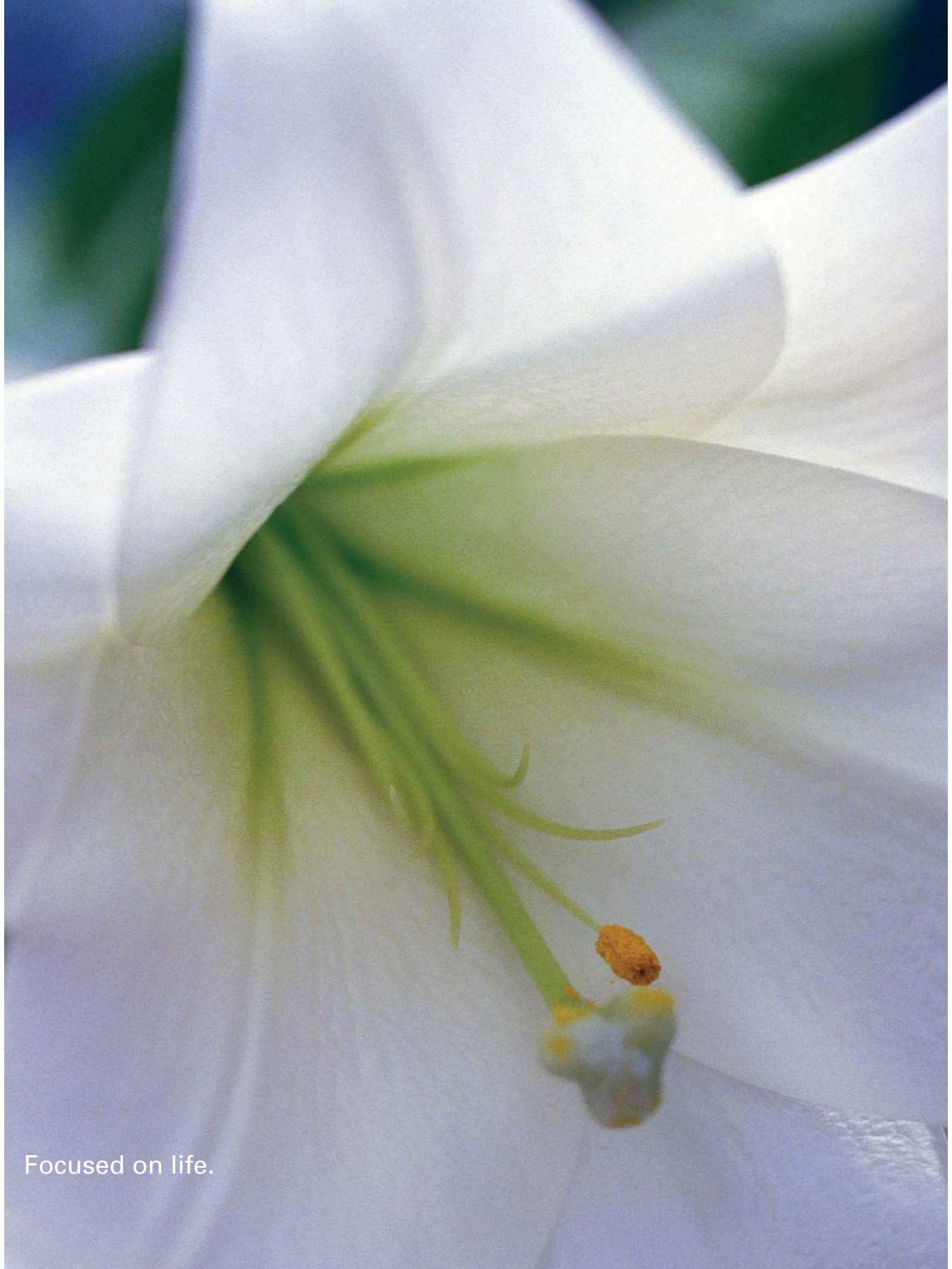
Thinking ahead. Focused on life.

  
**MORITA**



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.

## Dentaport ZX – Highlights at a Glance

### **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/cm<sup>2</sup>**

Maintains power even at a distance of 10 mm.

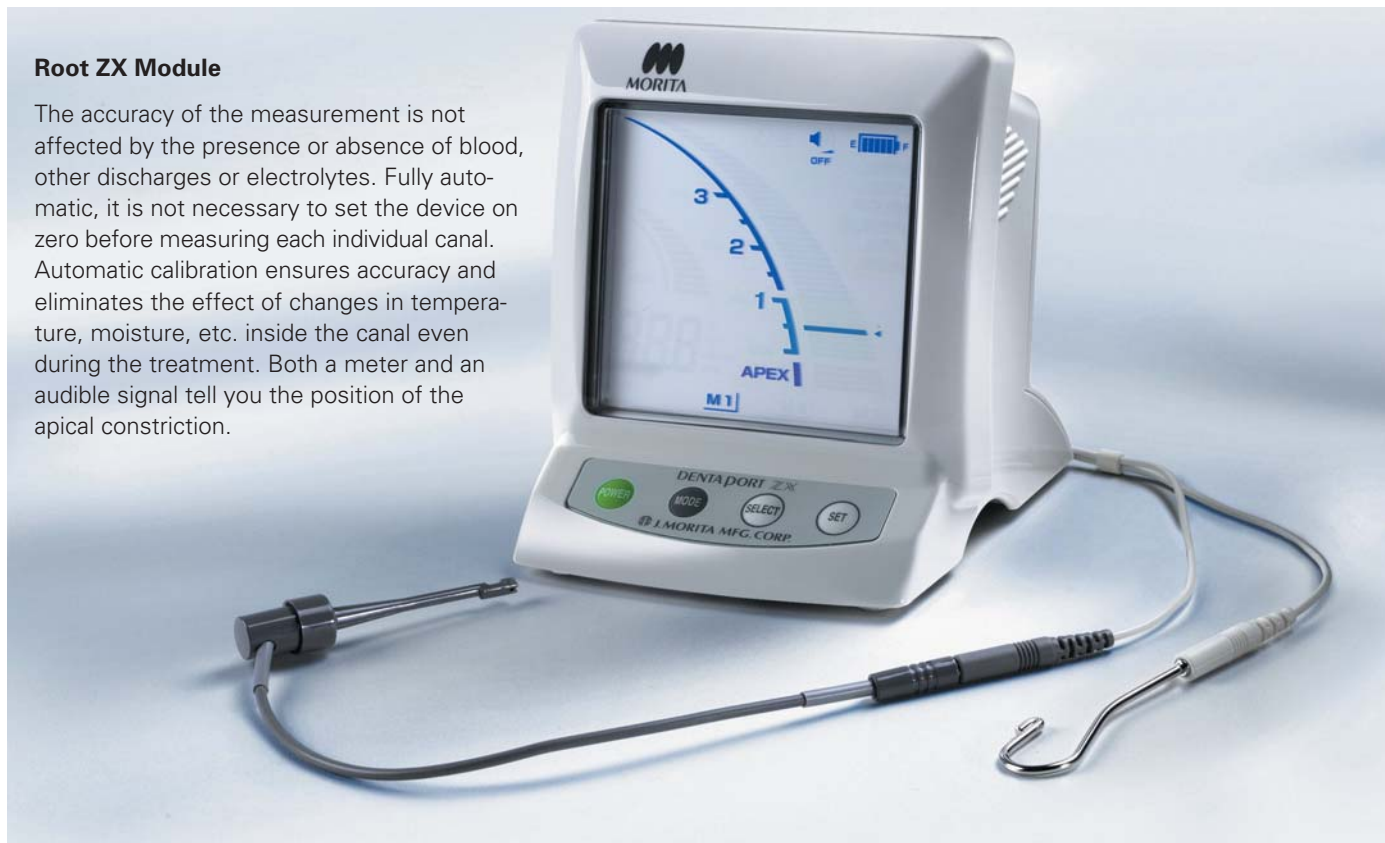
#### **Compact Design**

It easily reaches even the distal side of molar 7.

# Industry-Standard Apex Locator Root ZX Module

## Root ZX Module

The accuracy of the measurement is not affected by the presence or absence of blood, other discharges or electrolytes. Fully automatic, it is not necessary to set the device on zero before measuring each individual canal. Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal even during the treatment. Both a meter and an audible signal tell you the position of the apical constriction.



## 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

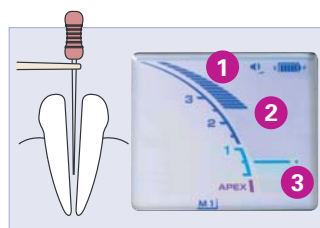
It is not necessary to set the device on zero before measuring each individual canal.

## Automatic Calibration

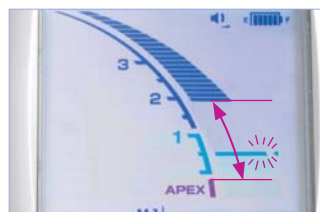
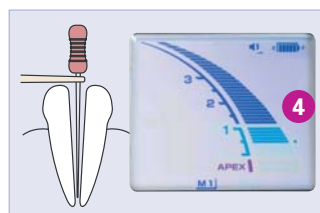
Automatic calibration ensures accuracy and eliminates the effect of changes in temperature, moisture, etc. inside the canal, even during the treatment.

## 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.



- 1 Large color display
- 2 Colored bar indicator
- 3 Changeable working length dot
- 4 Green indicator for quick recognition of the apex



## Changeable Working-Length Dot

The working-length dot is easy to change. It can be changed between 2 and APEX.





## Canal-Preparation Instrument

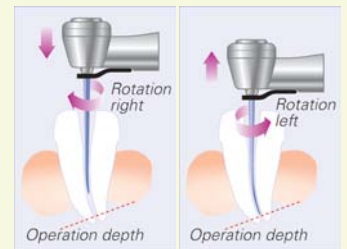
By showing the file position and using 5 automatic control functions, this instrument allows you to prepare canals with accuracy and precision up to any desired point inside the canal – and reduces file jamming and breakage.



### 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.

### 5 Automatic Control Functions

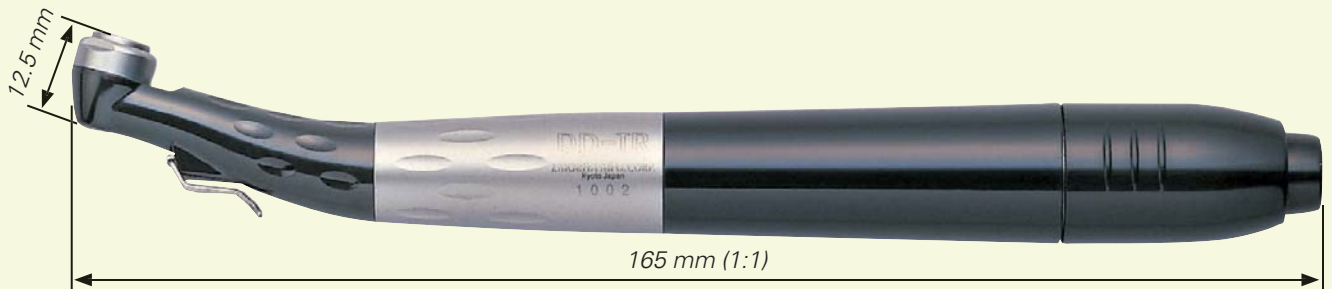


#### Accurate preparation **Auto Apical Reverse**

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.

**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 hand-pieces that provide these functions. To change the function, simply exchange the handpiece.

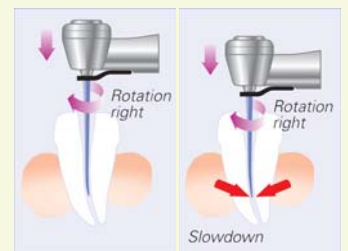
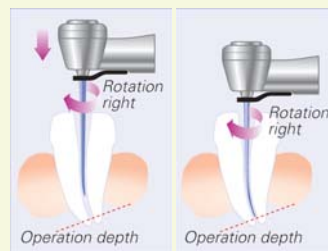
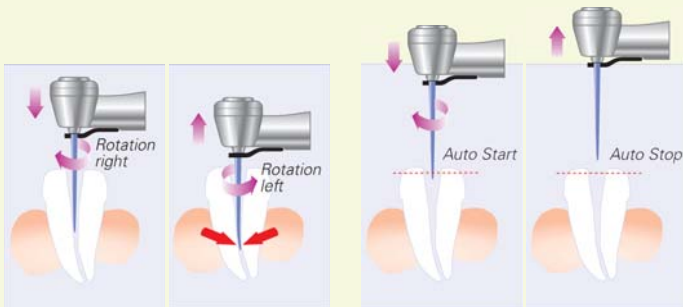


**A Smaller, Lighter, Finer Motor Handpiece Ergonomically Designed to Minimize Fingertip Stress**

**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



**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.





**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.



Easily reaches the distal side of molar 7, normally a difficult task for instruments using a light guide.

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/cm<sup>2</sup> – 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.

# 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 consumptions: 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



**Trade name:** Dentaport ZX  
**Model:** DP-ZX

Manufacturer: J. Morita Mfg. Corp.



## Apex Locator

1 6



## Apex Locator and Canal-Preparation Handpiece

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

1 2 3 4 6



## Apex Locator and Light Cure

**Accessories**  
 1 x handpiece rest  
 1 x disposable covers  
 (1 box of 100)  
 1 x AC adapter  
 (100 V–240 V 50/60 Hz)

1 2 3 5 6



## Apex Locator, Canal-Preparation Handpiece and Light Cure

**Accessories**  
 1 x handpiece rest  
 1 x AR spray  
 1 x disposable covers  
 (1 box of 100)  
 1 x AC adapter  
 (100 V–240 V 50/60 Hz)

1 2 3 4 5 6

## Accessories



### Root ZX Module Accessories

1 x probe cord  
 3 x file holders  
 5 x contrary electrodes  
 1 x canal-length tester  
 3 x DC 1.5 VAA battery

## 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

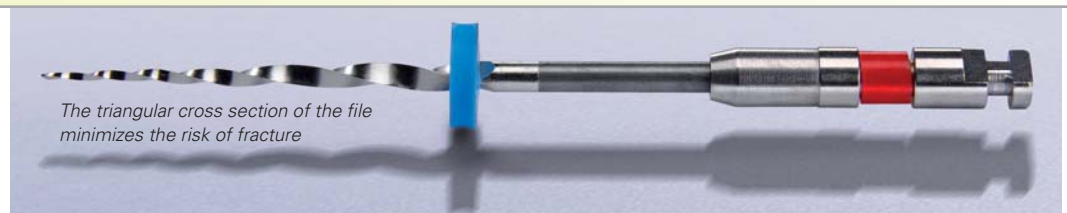
- File tip-location identified by LEDs on handpiece and by audible signal.

### ■ 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**



Color-coded rings ensure the correct file can be quickly selected



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

Manufacturer: J. Morita Europe GmbH

For detailed information, please see separate EndoWave leaflet.

## Thinking ahead. Focused on life.

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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