



## D-EV External Display Unit

### Safety Precautions

Use this product in conformance with the specifications, functions, and precautions for use described in this document. Failure to do so may impair your safety.

### Foreword

To obtain the highest performance and the longest service life from this product, carefully read this document thoroughly prior to setup and operation. After reading, retain it close at hand for future reference. Be sure to follow the precautions below.

### Export Control Compliance

This product is subject to the "Foreign Exchange and Foreign Trade Act" of Japan. Contact Mitutoyo for re-export and re-sale of the product, or re-provisioning of the technology.

### Electromagnetic Compatibility (EMC)

This product complies with the EU EMC Directive. Note that in environments where electromagnetic interference exceeds the EMC requirements defined in this directive, appropriate countermeasures are required to assure product performance.

### CONVENTIONS USED IN THIS DOCUMENT

General		Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.
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### Precautions for Use

Do not remove the cover or disassemble the product. Otherwise you may be subject to electric shock, and there is a risk of breakage or fire due to a short circuit caused by metallic powders that have gotten inside the product.

- This product is precision equipment. Be careful not to apply excessive shock or force to any of the parts.
- Use this product in an environment where the temperature is within the range of 0 °C to 40 °C and where it will be subject to minimal temperature change without condensation.
- Avoid using this product in the following places:
  - Places exposed to chips, machining oil, dust, and vibration
  - Places subject to direct sunlight
  - Around devices that use high voltage or current

### Warranty

In the event that this product should prove defective as a result of workmanship, material or transportation, within one year from the date of original purchase, it will be repaired free of charge. Contact your dealer or the nearest Mitutoyo sales office/service center for repair.

## 1 Overview

### Major functions

This product is an External Display Unit for the EV Counter.

### 1.1 Supported Counters

The following table shows the EV Counters supported by this product and their features:

Sign	Supported EV Counters	Feature
D-EV	EV-16P, EV-16D, EV-16Z, EV-16A	<ul style="list-style-type: none"> <li>• Displays the counter value of EV Counter.</li> <li>• Simple settings of the Counter are possible.</li> <li>• Error code display is possible.</li> </ul>

### 1.2 Part Names and Functions

For details, see the User's Manual for the EV Counter.

## 2 Setup

### 2.1 Unpacking

When unpacking for the first time, check that the following components are contained in the box.

Name	Q'ty
D-EV External Display Unit (this product)	1
Washer (for mounting the panel)	6
User's Manual (this document)	1
Supplemental operation manual	1
Warranty	1

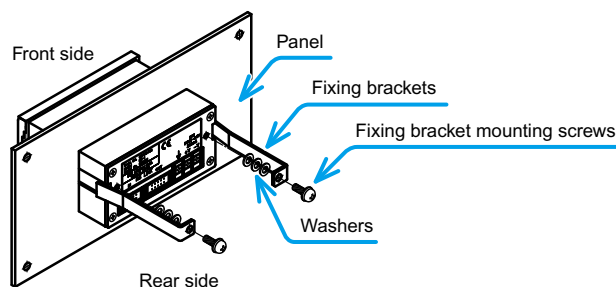
### 2.2 Mounting on a Panel

#### Dimensions for the mounting holes in the panel

Width (mm)	Height (mm)	Panel thickness (mm)
92.0–92.8	45.0–45.8	1.0–3.2

- 1 Remove the fixing brackets for the D-EV.
- 2 Insert the Counter main body from the front side of the panel.
- 3 Use the fixing brackets to secure the Counter from the rear side of the panel.

**Tips** Select the number of the supplied washers to use according to the thickness of the panel.



### 2.3 How to Connect / How to Operate

#### Connecting the power and the Counter

For details, see the User's Manual for the EV Counter.

#### Operation check and how to operate

For details, see the User's Manual for the EV Counter.

## 3 Specifications

### 3.1 Basic Specifications

Code No.	02ADD400
Sign	D-EV
Number of display digits	6 digits and the polarity sign, "-" (The EV Counter operates internally with 8 digits.)
Power source voltage	DC +12 V→+24 V, Max. 200 mA terminal block (M3 screw)
Power consumption	Max. 6 W (Max. 500 mA)
Operating temperature (humidity) range	0 °C–40 °C (20 % RH–80 % RH, without condensation)
Storage temperature (humidity) range	-10 °C–50 °C (20 % RH–80 % RH, without condensation)
External dimensions	96 (W) × 48 (H) × 73.6 (D) mm * Does not include protrusions and accessories.
Mass	Approx. 150 g
CE marking	EMC directive EN61326-1 Immunity test requirement: Clause 6.2 Table 2 Emission limit: Class B

#### External dimensions

For details, see the User's Manual for the EV Counter.

#### Option

Part No.	Name
02ADD950	Connection cable (RS LINK/Digimatic) (0.5 m)
936937	Connection cable (RS LINK/Digimatic) (1 m)
965014	Connection cable (RS LINK/Digimatic) (2 m)
02ADD930	Terminal strip connecting cable*1
02ADN460	AC adapter
02ZAA000	AC cable*1

\*1 Required when using the AC adapter.