HP 10bII+ Financial Calculator - Calendar and Date Formats

Keys and Functionality

The calendar options on the 10bII+ are Actual (**Act**) and 360-day (**360**). The default setting, Actual, is based on a 365-day calendar. The alternate setting, 360, is based on a 360-day calendar. Since financial analysis often involves calculations over given periods of time, it is important to note calculations involving dates return different values for each calendar setting. Verify the calendar mode is appropriately set for your problem before you begin. The valid range of dates for the calendar functions of the HP 10bII+ is October 15, 1582 through December 31, 9999.

For the date, the number of days between two dates, and bond calculations, dates may be entered and displayed either in month-day-year (M.DY) or day-month-year (D.MY) formats. In addition to a different display mode for the date and date calculations, these functions also return different values based on the 365-day and 360-day calendars. The table below lists the keys used in storing dates and date calculations and their functionality.

Keys	Description of Functionality
D.MY/M.DY INPUT	Enters dates in DD.MMYYYY (D.MY) or MM.DDYYYY (M.DY) formats. The D.MY annunciator indicates D.MY format is active.
360/Act	Toggles between 360-and 365-day (Actual) calendars. The 360 annunciator indicates the 360-day calendar is active.

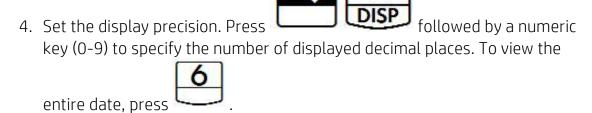
Keys	Description of Functionality
INPUT DATE	Calculates the date and day, past or future, that is a given number of days from a given date. The returned result is always calculated on the 365-day calendar (Actual), regardless of the calendar setting.
MU ΔDAYS	Calculates the number of days between two dates. Based on your current calendar setting, the returned result is calculated on either the 365-day (Actual) or the 360-day calendar.

The general process for storing dates, date formats, setting the calendar, and displaying dates is as follows:

- 1. Set the calendar format. Press to toggle between the 360-day and 365-day (Actual) calendars. The **360** annunciator indicates the 360-day calendar is active. No annunciator is displayed when the actual calendar is active.
- 2. Set the date format. Press to toggle between daymonth-year (D.MY) and month-day-year (M.DY) formats. The D.MY annunciator indicates D.MY format is active. No annunciator displays when M.DY format is active.

D.MY/M.DY

3. Key in dates using the numbered keypad and as a separator. For D.MY format, key in one or two digits for the day followed by the decimal point, two digits for the month, and four digits for the year (DD.MMYYY). For M.DY format, key in one or two digits for the month, followed by the decimal point, two digits for the day, and four digits for the year (MM.DDYYYY).



- 5. Numbers at the far right of a calculated date indicate days of the week. 1 is for Monday; 7 is for Sunday.
- 6. Calculate the date and the day. Press
- 7. Calculate the number of days between two dates. Press
- 8. Press followed by a value to represent days in the past.

The examples that follow illustrate this process. Before beginning, press



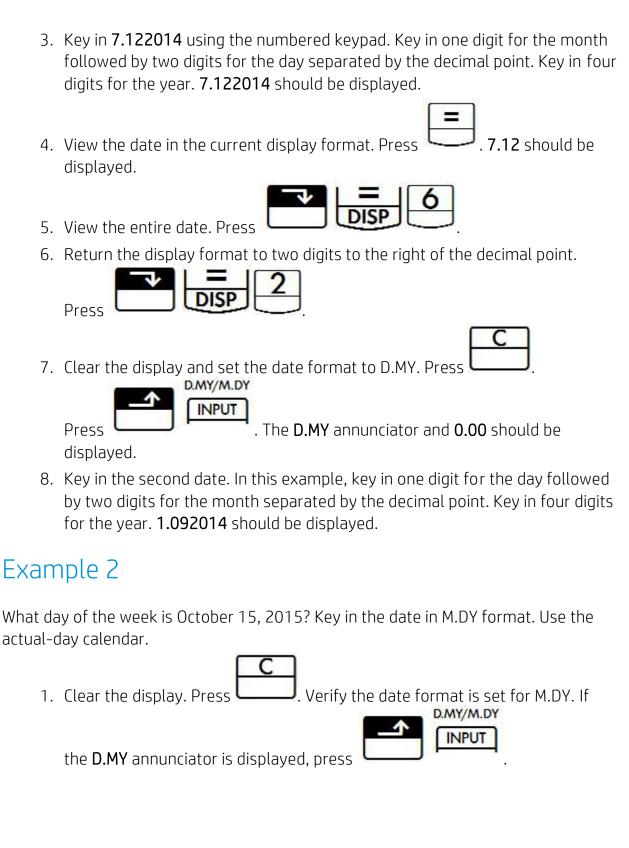


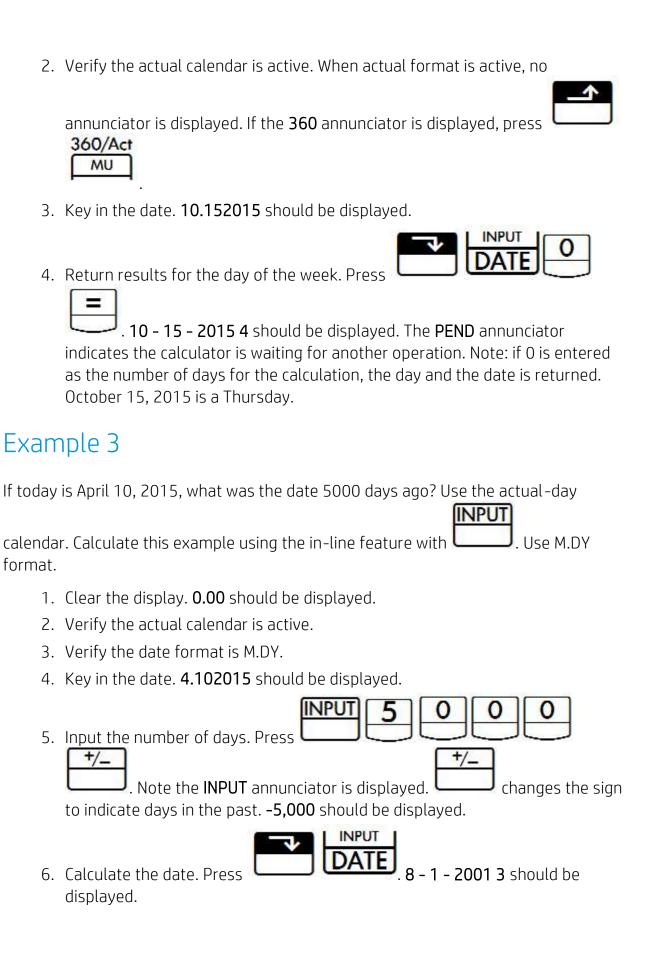
Example 1

Key in July 12, 2014 in M.DY (month-day-year) format. View the date in the current display format. Key in September 1, 2014 in D.MY (day-month-year) format.

- 1. Clear all memory. Press to indicate all the data except the value for payment-per-year (P/YR) has been cleared. **0.00** should be displayed.
- 2. Verify the date format is M.DY. When M.DY format is active, no annunciator is

displayed. If the **D.MY** annunciator is displayed, press





Example 4

What is the number of days between September 10, 2014 and December 14, 2015? Use the actual calendar and M.DY format. Calculate the number of days using both the in-line functionality and the Input key.

- 1. Clear the display.
- 2. Key in the first date. **9.102014** should be displayed.

