

## MouGetPtrPos

**Bindings:** C, MASM

This call queries the mouse driver to determine the current row and column coordinate position of the mouse pointer.

*MouGetPtrPos* (PtrPos, DeviceHandle)

*PtrPos* (**PPTRLOC**) - output Address of the mouse pointer position structure:

*pointerrow* (**USHORT**) Current pointer row coordinate (pels or characters).

*pointercol* (**USHORT**) Current pointer column coordinate (pels or characters).

*DeviceHandle* (**HMOU**) - input Contains the handle of the mouse device obtained from a previous *MouOpen*.

*rc* (**USHORT**) - return Return code descriptions are:

0	NO_ERROR
385	ERROR_MOUSE_NO_DEVICE
466	ERROR_MOU_DETACHED
501	ERROR_MOUSE_NO_CONSOLE
505	ERROR_MOU_EXTENDED_SG

### Remarks

For a text window (VIO) application, the text window is a view on the larger logical video buffer (LVB). The mouse pointer can be outside that view and still be within the extent of the LVB. [MouGetPtrPos](#) then returns the coordinates of the cell under the mouse pointer. If the pointer is outside the LVB image extent, the coordinates of the nearest LVB cell are returned. In either case, the LVB is scrolled until the reported LVB cell appears within the view window.

### C bindings

```
typedef struct _PTRLOC {      /* moupl */
    USHORT row;              /* pointer row coordinate screen
                             position */
    USHORT col;              /* pointer column coordinate screen
                             position */
} PTRLOC;

#define INCL_MOU

USHORT rc = MouGetPtrPos(PtrPos, DeviceHandle);

PPTRLOC          PtrPos;      /* Double word structure */
HMOU              DeviceHandle; /* Mouse device handle */
```

```
USHORT rc; /* return code */
```

### MASM bindings

```
PTRLoc struc
    moupl_row dw ? ;pointer row coordinate screen position
    moupl_col dw ? ;pointer column coordinate screen position
PTRLoc ends

EXTRN MouGetPtrPos:FAR
INCL_MOU EQU 1

PUSH@ OTHER PtrPos ;Double word structure
PUSH WORD DeviceHandle ;Mouse device handle
CALL MouGetPtrPos

Returns WORD
```

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