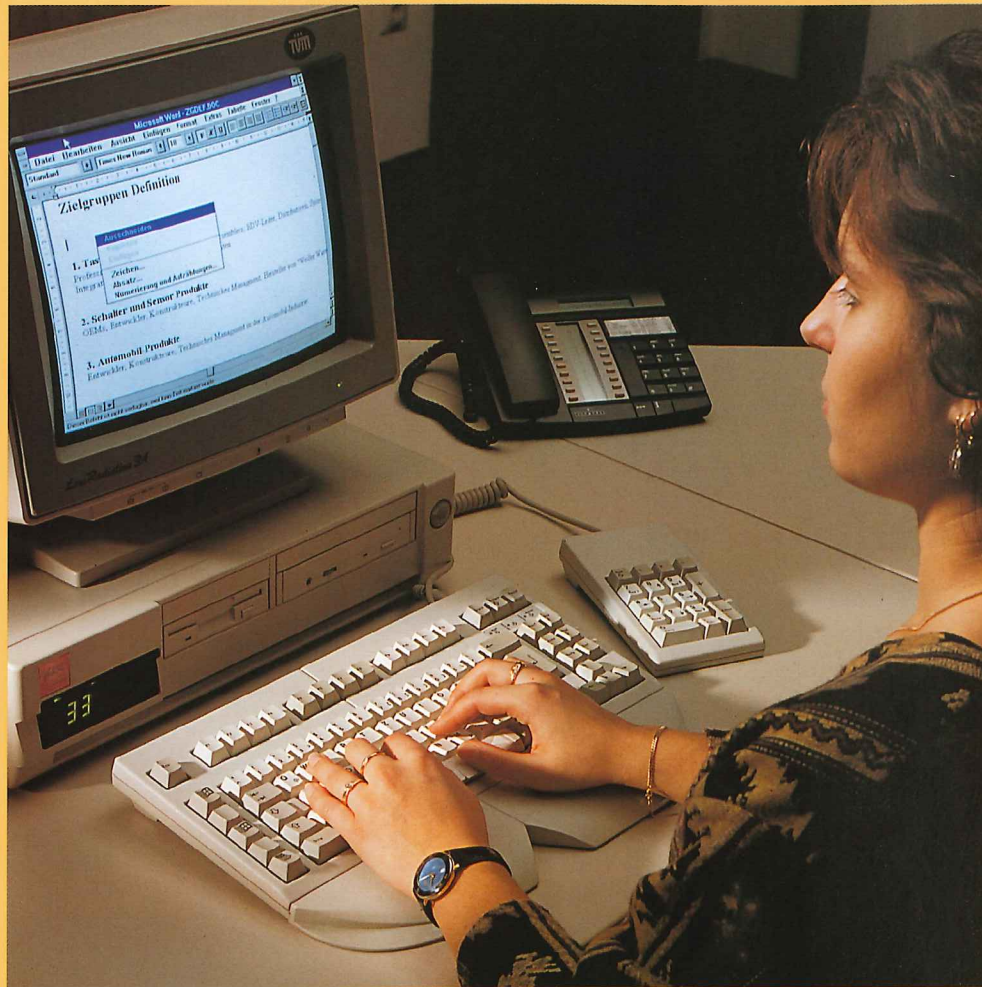# G80-5000

**ErgoPlus®.
The ergonomically
optimized Keyboard.
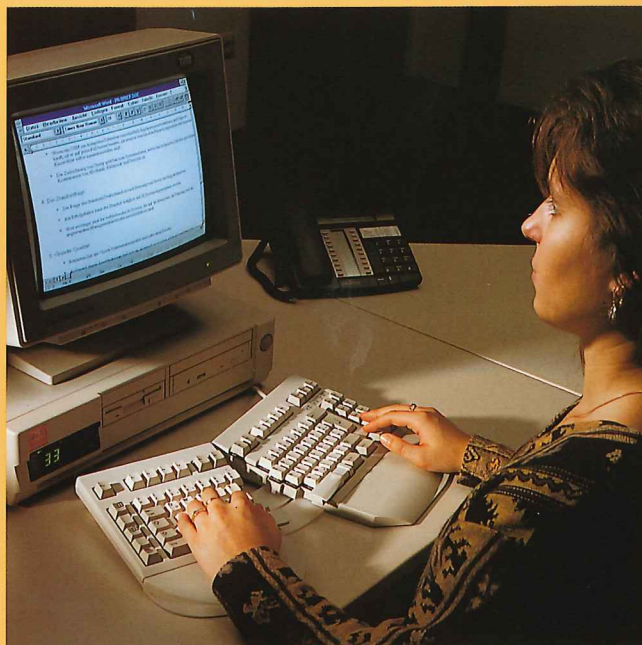IBM* & Microsoft® Windows™ '95 compatible.**

Introduction

The Cherry ErgoPlus® is an IBM* MF/AT and Windows™ '95 compatible multifunction data entry device consisting of a keyboard the orientation of which can be changed on three axes: the alphanumeric section of the keyboard spreads apart in the middle to a maximum angle of 30°, rises up tentlike, and tilts forward. This yields a total of 22 possible positions.

The keyboard adapts optimally to your individual arm and hand position. Together with the wristrest, it effectively supports a natural hand and arm posture while typing. This helps reduce fatigue and strain, as well as chronic complaints and injury caused by performing the same movements over and over again (the socalled RSI syndrome). The keyboard's layout is nearly identical with that of original IBM* keyboards. It is therefore extremely easy to make the transition from a standard keyboard to the ErgoPlus®.
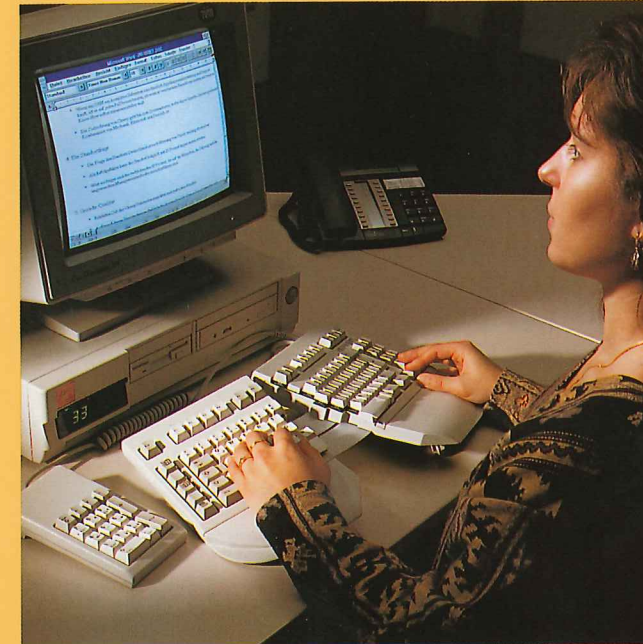

1

2

Picture 1
Working in the basic position with a forward pitch of 8°.
Picture 2
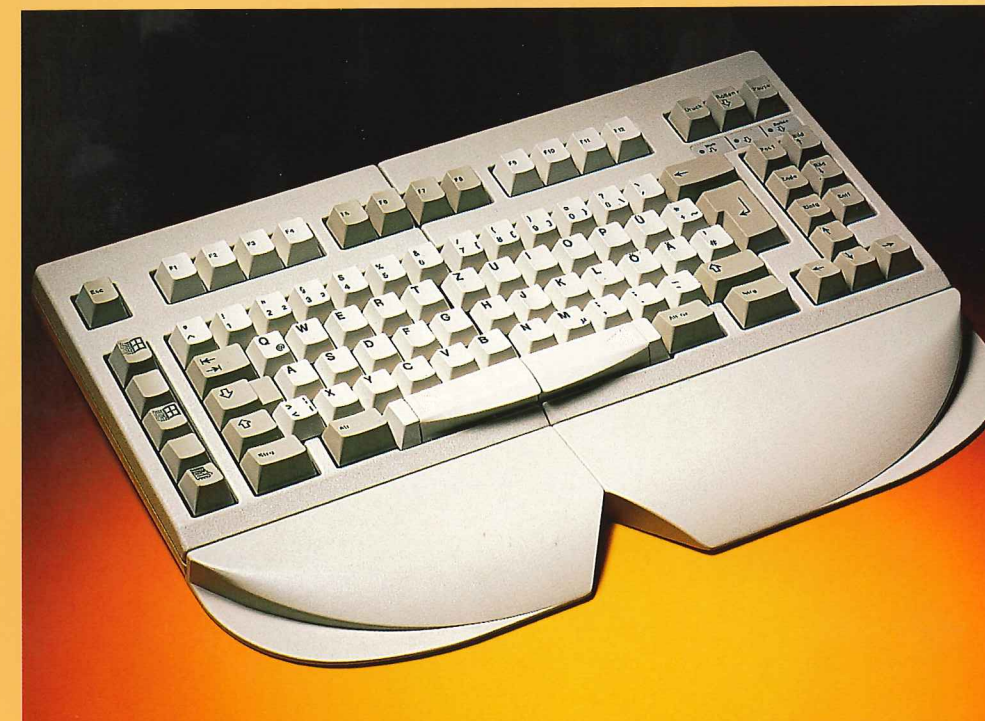Basic position with an 8° pitch, alphanumeric section spread apart horizontally by 30°.
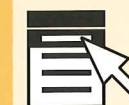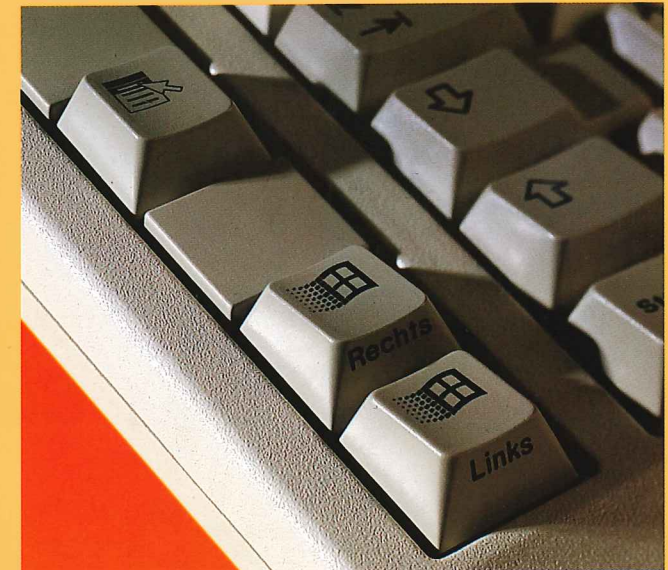
Applications

Owing to its inherently ergonomic design, Cherry's ErgoPlus® is excellently suited for all applications involving entry of large volumes of text and figures, as well as for the entire range of wordprocessing tasks. It therefore ideally meets the needs of government agencies and associations, insurance companies, banks, corporate offices, service operations, rental companies, airlines, travel agencies, hotels, translation companies, etc.

3

Application key - brings up the contents (pop-up menu) at the current select position. This is the equivalent of pressing the right mouse button in some applications today.

Left and right Windows™ key - this key activates the Windows™ '95 user interface.

For more details please consult your Windows™ '95 manual.

Picture 3
Keyboard raised high in the middle to an angle of 160°, alphanumeric section spread apart by 30°.

Ergonomics

The unpleasant side effects of computer work often include pains in the arms, shoulders and neck. This can be caused by assuming an unnatural posture while typing. The same movements are repeated over and over again, placing unrelenting strain on muscles, tendons and ligaments.

Sometimes it even leads to occupational disability - a condition dubbed "repetitive strain injury" (or RSI for short) that can only be alleviated or cured, if at all, by expensive long-term therapy. The best and least costly way for you to help prevent RSI

in the first place is to practice prevention right at your workplace. This starts with an appropriate chair and desk, and extends to the use of an ergonomically optimised keyboard like the Cherry ErgoPlus®.

Environmental Parameters

- Minimal overall use of packaging, with a large share of recycled cardboard and dispensing completely with composite materials.

- Recyclable and labelled plastics used for housing-parts, without any flameretardants added.
- Recycled plastics added with an aim to conserving resources.

- As far as technically feasible, environmental specifications drawn up jointly with our partners forbid the use of critical substances in our products and production processes.
- Environmentally kind low-pressure plasma technology used for degreasing of metal parts.

Outstanding Advantages

- Optimised ergonomic design with delta form.
- Integrated wrist-rests.
- The keyboard sections can be individually adjusted to suit personal needs, with 22 possible positions.
- Split alphanumeric section; the two halves can be angled between 0° and 30° apart, in 5° steps.
- Raisable in the middle to 170° or 160°.
- Frontal pitch can be set to 6° or 12°.
- Compact: without integrated numeric keypad.
- The keyboard is handily compact; a separate numeric keypad (see Accessories) can be positioned to the left or right of the keyboard.
- Keyboard layout virtually identical with the original IBM* layout. Changing to the ErgoPlus® therefore couldn't be easier.
- Obtionally three function-keys for Windows '95-Version or five additional function-keys for MF-Version.

Technical Data

Electronics

Power supply:
+ 5V/DC
Current consumption:
typ. 100 mA
Interface:
Bidirectional serious synchronous IBM*-compatible
Data transfer performed in IBM*-synchronous format.
Data outputs:
Open drain.
Buffer:
All codes are buffered in a 16-byte memory before being transferred.

Mechanical Specifications

Dimensions in basic (unraised) position:
Alphanumeric section including wrist-rest: 381 mm x 245 mm x 52 mm.
Numeric keypad:
95.25 mm x 173.2 mm x 52 mm.
Keystroke with "tactile feedback".
Temperature ranges:
Storage:
-20°C (-4°F) to +60°C (+140°F)
Operation:
0°C (+32°F) to +50°C (+122°F)
MX keymodules with "Gold Crosspoint" contacts.

Approvals

- Safety:
  DIN EN60950 Classification VDE 0805:1993
  EN 60950:1992
  IEC 950:1991
  UL 1950
  CSA C 22.2 No. 950.
- Ergonomics: ZH 1/618.
- Electro Magnetic Compatibility (EMC):
  -ESD (IEC 801-2):1991: level 2, contact discharge
  -level 3, air discharge
  -Radiated Fields (IEC 801-3):1994:level 2
  -RFI/EMI:
  EN 55 022, Class B
  FCC Part 15, Subpart B, Class B.

CISPR 22/ EN 55022 Class B	FCC Part 15 Subpart B Class B

![Keyboard basic position]

Frontal pitch of 12°; alphanumeric section horizontally adjustable between 0° and 30° in 5° steps.

![Keyboard basic position]

Basic position with 8° pitch, alphanumeric section horizontally adjustable between 0° and 30° in 5° steps.

![Keyboard tented 170°]

Raised to tent angle of 170°; alphanumeric section horizontally adjustable between 15° and 30° in 5° steps.

![Keyboard tented 160°]

Raised to tent angle of 160°; alphanumeric section horizontally adjustable between 15° and 30° in 5° steps.

Accessories

![Numeric keypad accessory]

Numeric-Keypad (Dim. 95,25mm x 173,2mm x 52mm)
PS/2-adapter cable (article no. 617-0580)
Extension cable (article no. 617-0969)

Ordering Numbers ErgoPlus® Windows™ '95 - Version

Country versions	
Germany	G80-5000 HAMDE
France	G80-5000 HAMFR
Great Britain	G80-5000 HAMGB
USA	G80-5000 HAMUS

Ordering Numbers ErgoPlus® MF - Version

Country versions	
Germany	G80-5000 HAADE
France	G80-5000 HAAFR
Great Britain	G80-5000 HAAGB
USA	G80-5000 HAAUS

Connection of Numeric Keypad

![Hand connecting numeric keypad cable]

The numeric keypad (G80-5700) may only be used in conjunction with the ErgoPlus® keyboard. It is connected to the back of the ErgoPlus® keyboard using the integrated cable.

Ordering Numbers Numeric Keypad

Country versions	
Germany	G80-5700 HAADE
France	G80-5700 HAAFR
Great Britain	G80-5700 HAAGB
USA	G80-5700 HAAUS

Country Specific Layout

![Country specific keyboard layout]
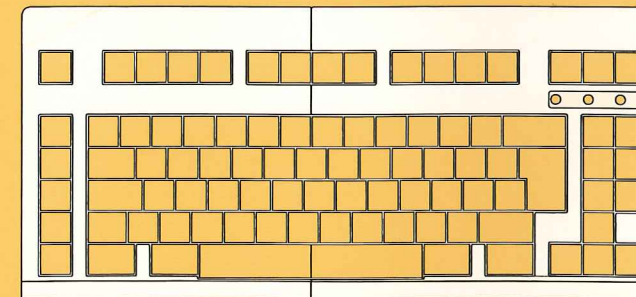
US-Layout

![US keyboard layout]
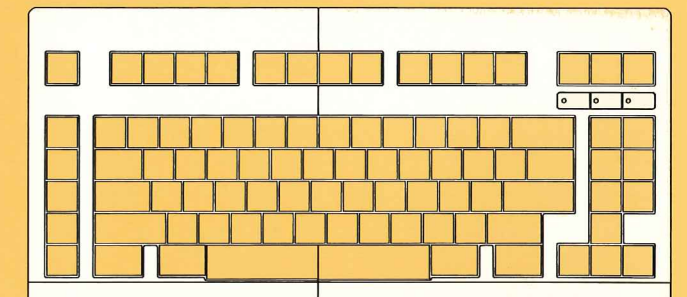
Other country versions upon request.

Electrotechnical and Electronic Products for the Future.

Keyboards of high technology and excellent quality.
With high switching reliability even during speed typing. Standard or customized, intelligent or non-encoded versions. Connectable to all popular EDP systems. Modern design. Harmoneous colours. Variety of sizes and heights. Ergonomic styling. With or without housing.

Keymodules. For high technology keyboards.
M 8, M 9, MX. Keyswitches with exceptional performance. High switching reliability through »Gold Crosspoint« contacts. Low profile design. Excellent touch feeling. Variety of keycap styles and colours. Ideal for ergonomically designed keyboards.
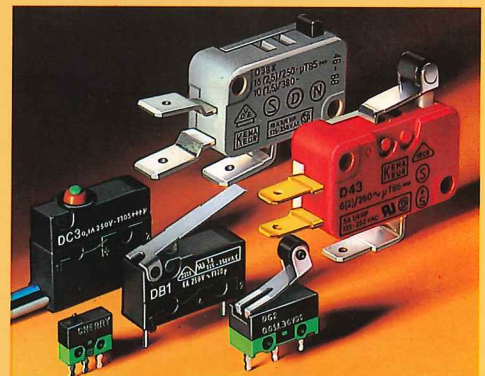
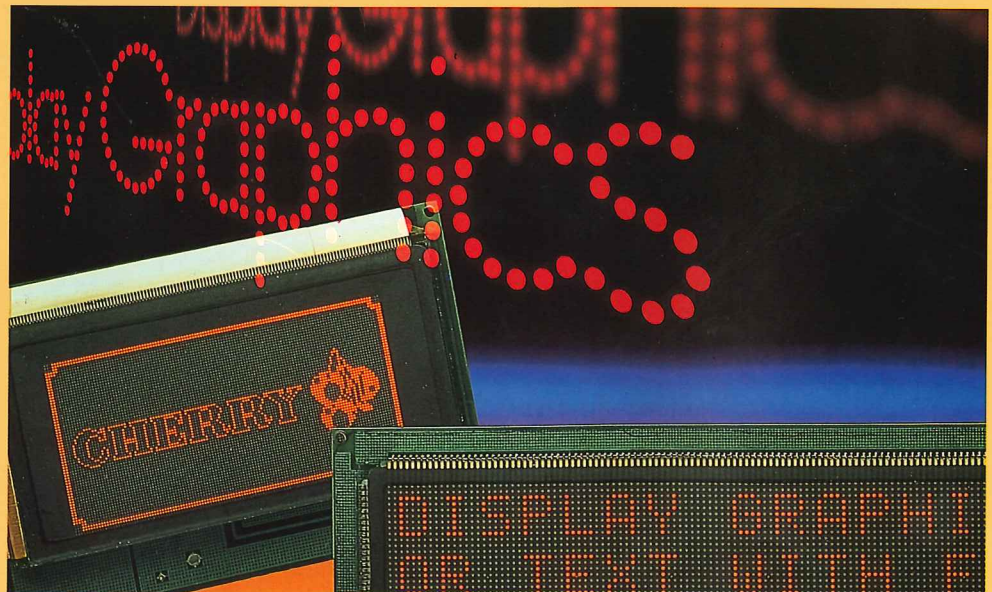**Selector switches with proven reliability and long life.**
Available in many standard and customized codes. Thumbwheel, leverwheel or pushwheel versions. Gang assemblies. Solderpins, connectors or plain soldering. Standard, miniature and subminiature sizes. Also illuminated through LEDs or lamps. Customized lettering and stop limitation available.

Snap switches for the future.
For precise switching and high reliability. Large range of standard and nonstandard models. Many different connecting possibilities. Standard, miniature and subminiature sizes. And a large number of auxiliary actuators.

New generation displays.
For text and graphic applications. With continuous brightness of all letters. Stable display picture. Long life. Slim profile. Light weight. Low power consumption.