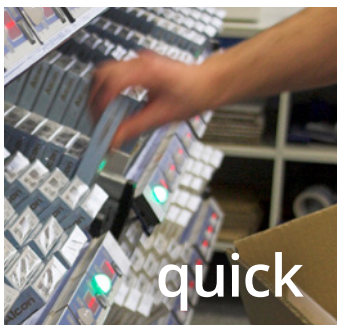


Making order picking more efficient

PickTerm

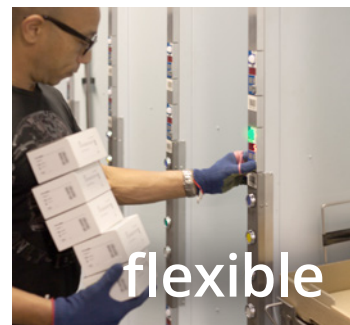
Flexible



quick



reliable



flexible

Hardware

The most important features of the PickTerm Flexible PTF shelf display



Robust – stable aluminium casing

Our system is made of high quality material: the carrier profiles and casings made of aluminium ensure a long service life.

Multi-colour eye-catching lamp

Our eye-catching lamps displays in seven colours:

Control keys

One or more membrane-covered control keys, freely definable via software.

Dual LED

Oval light divided horizontally with 2x7 colour combinations, as directional function, or for enabling two or more order pickers to work in parallel.

Quantity correction

Two membrane-covered correction keys for quantity corrections or inventory transactions.

Address

Each display has its own address in plain text and as a barcode.

Robust confirmation button

The especially robust confirmation button with an MTBF of 10 million picks ensures the durability of your system.

General design features

Height	50 mm (PTF) or 25 mm (PTF-S)
LED lamp	round: 7 colours, oval: 2x7 colours
Confirmation	Per acknowledgement button (MTBF 10 Mio. Picks) Per LTOUCH, QRS or TOUCH (PTF-S)
Control key	Freely definable membrane-covered key
Assembly	Clip technology with Snap-On system
Connection	Spring technology
Operating temp.	-30°C to +50°C (0°C to 50°C with certain shelf displays)

Snap-On System

The shelf displays can be fixed anywhere any time.



Options & Features



“Dual LED” – 2x7 colour combinations

The horizontally divided eye-catching lamp was developed to help the order picker to recognise the compartment allocated to the display more easily; it allows the upper and lower half, each with seven colours, to be separately controlled. This new design makes it possible to clearly indicate the retrieval position in the “upper” or “lower” part of the shelf display.

In addition, the 2x7 colour combination simplifies picking by two operators in the same zone. A further advantage: Special functions, such as return putaways or inventory processes, can be indicated even more clearly. Naturally, both halves of the lamp can be switched to show the same colour, making it even clearer and more visible from an even greater distance.

SOUND

The Sound option sends an acoustic confirmation or alarm signal which efficiently supports the picking process.

Improved confirmation through sensor technology

We offer our shelf displays with up to two different optional sensors to enable completely wear-free pick confirmation during the picking process and accelerate the picking performance:

LTOUCH –

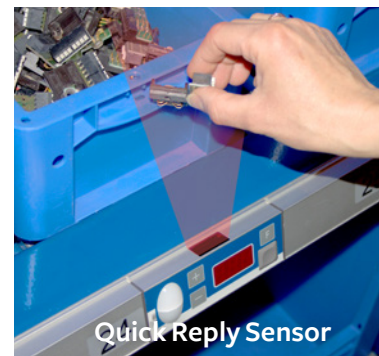
Pick confirmation through a light touch

The wear-free sensor integrated into the lamp replaces the mechanical confirmation button: Instead of pressing a button, picks are confirmed by lightly touching the lamp. This accelerates the picking performance.



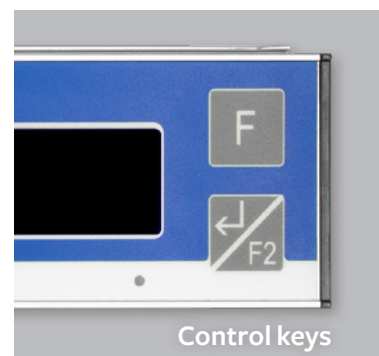
QRS – For contact-free confirmation

Our QuickReply sensor system, QRS for short, was developed to make confirmation easier and speed up the picking process: A sensor which can be calibrated to point up or down replaces the mechanical confirmation button. Confirmation is made through a grasping movement above or below the display – contact-free, quickly and wear-free.



F1 and F2 control keys

With the shelf displays featuring the LTOUCH function the obsolete confirmation button is replaced by second control key to enable you to handle your processes even faster. This key can be used for additional customised functions, which increases the flexibility of the application.



External port

An optional external port on the shelf display can be used to connect peripheral devices such as push buttons, pull-wire switches, light barriers or KANBAN sensors, which opens up new options for application.

We realise customised variations – even in small numbers.

Just give us a call – we would be happy to advise you.

Modules

without quantity display

PTF-L-4

H: 50 mm x W: 35 mm

For picks always requiring the quantity one and with very small warehouse compartment dimensions.



PTF-L-7

H: 50 mm x W: 43 mm

Options: LTOUCH QRS INPUT SOUND



PTF-L-6

H: 50 mm x W: 70 mm

Options: LTOUCH QRS INPUT SOUND



with numerical quantity display

PTF-3N-4

H: 50 mm x W: 130 mm

Options: LTOUCH QRS INPUT SOUND



PTF-3N-2 | PTF-4N-3

H: 110 mm x W: 50 mm

Options: SOUND



PTF-4N-4

H: 50 mm x W: 170 mm

Options: LTOUCH QRS INPUT SOUND



PTF-6N-1

H: 50 mm x W: 212 mm

Options: SOUND



with alphanumerical displays

PTF-4A-1

H: 50 mm x W: 170 mm

Options:  SOUND



PTF-6A-1

H: 50 mm x W: 212 mm

Options:  SOUND

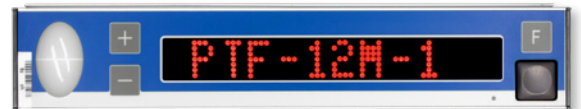


PTF-12M-1

H: 50 mm x W: 256 mm

Shelf display with DOT matrix, moving text possible.

Options:  LTOUCH  QRS  INPUT  SOUND



PTF-OL-1

H: 50 mm x W: 145 mm

OLED graphic display (128x64 px) for optimum visibility from any viewing angle and multiline display.

Options:  LTOUCH  QRS  INPUT  SOUND



PTF-EP-2

H: 50 mm x W: 145 mm

Electronic Paper Display (EPD).

Multi-line display, bar code display and QR code display.

Options:  LTOUCH  QRS  INPUT  SOUND

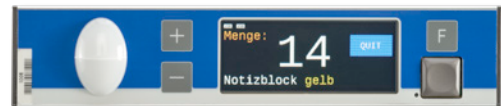


PTF-ZDISP

H: 50 mm x W: 224 mm

Zone display with LCD graphic colour display (320x120 px), with four freely definable soft keys, 2xUSB ports (e.g. scanner).

Options:  LTOUCH  QRS  INPUT  SOUND



Modules

with intervention monitoring

PTF-L-5

H: 80 mm x W: 105 mm

Shelf display with intervention sensor.



Special module

PTF-I/O-1

H: 50 mm x W: 85 mm

I/O module with 4 inputs/outputs for external sensors or actuators.



Large display

PTF-PNL-1

H: 165 mm x W: 200 mm x D: 46 mm

Interface unit for connecting up to a screen via HDMI. Used to display status quo or information.



Compact PTF-S modules

PTF-SL-3

H: 25 mm x W: 57 mm

Options:  QRS  SOUND



PTF-S3N-3

H: 25 mm x W: 101 mm

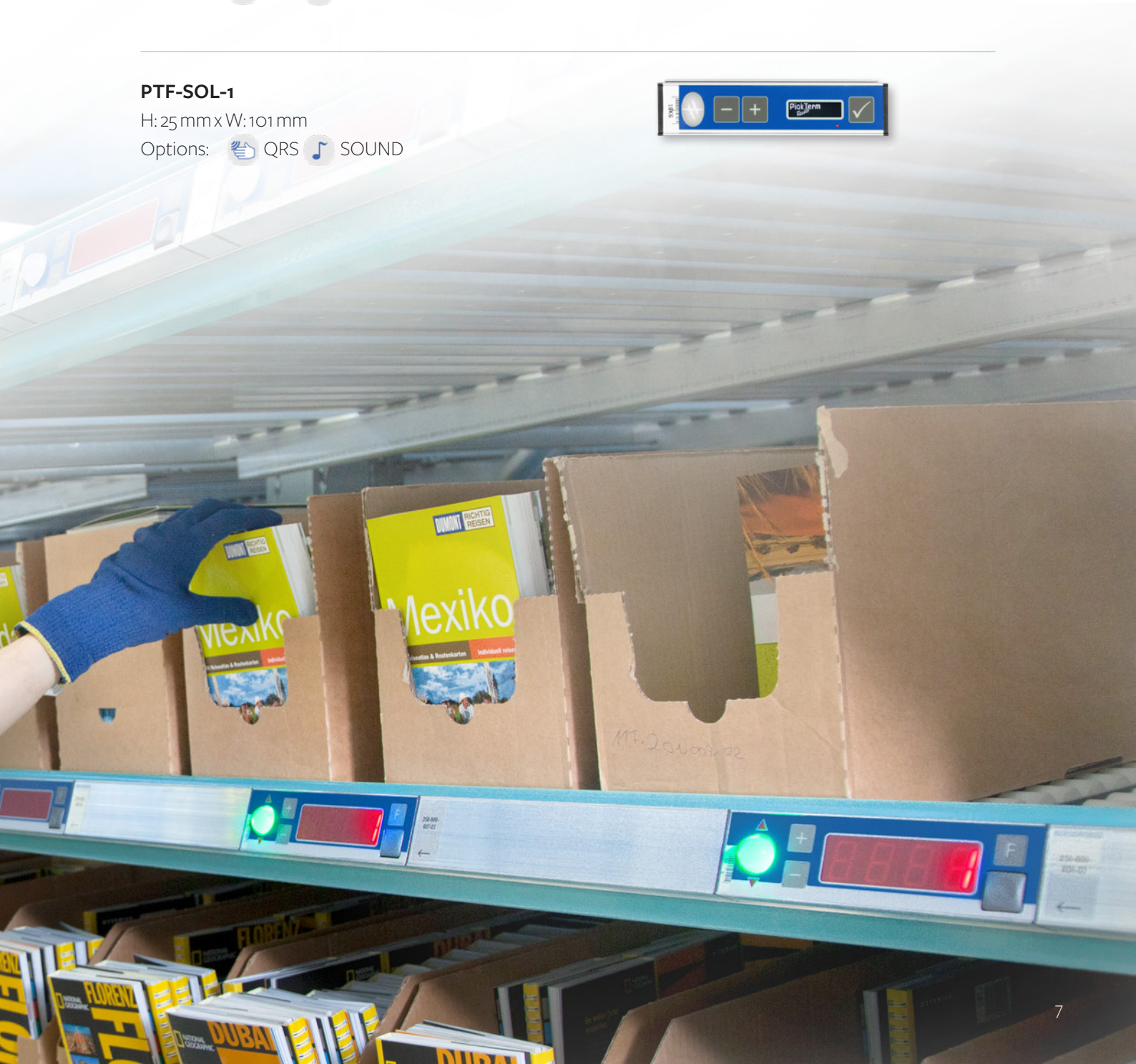
Options:  QRS  SOUND



PTF-SOL-1

H: 25 mm x W: 101 mm

Options:  QRS  SOUND



You can view the whole product range at:
www.kbs-gmbh.de/en/systems/pickterm-flexible

Subject to technical modifications.

KBS Quick&Easy Technical Terms Glossary

Pick-by-Light

is the process of paperless order picking using light displays as to guide the operators. An electronic display on the compartment or bin shows the operator the items and the volume to be picked.

PTF – PickTerm Flexible

An advanced Pick-by-Light system developed by KBS. Guarantees the greatest degree of flexibility through “Plug & Pick” and an innovative PTF bus system.

PTF-S – PickTerm Flexible small

The lean version of the Pick-by-Light system – used especially for assembly work stations.

Module/shelf display

This is the term for the Pick-by-Light module positioned directly on the compartment from which the items are to be picked. It consists at minimum of an eye-catching lamp and a confirmation button.

Plug & Pick

KBS’s quick and flexible installation system: simply clip on the display and start order picking.

Dual LED lamp

Eye-catching lamp divided horizontally into two halves for different colour combinations.

Long travel key

Mechanical confirmation key.

Snap-On System

The module is simply snapped onto its position.

LTouch

Confirmation by lightly touching the lamp (equipped with a sensor).

QRS – QuickReply-Sensor

Contact-free confirmation via sensor positioned above or below the display.

EPD – Electronic Paper Display

Graphic, black-white EP display – enables multi-line display (text/barcode/QR code etc.).

What our customers say

Intuitive

„In the past, it took several weeks to train new employees. Now I need just five minutes to explain the principle to a new staff member, and he is off working as quickly and as efficiently as our seasoned staff.“

– Stefan Schies, Straumann GmbH

Cost effective

„Formerly, we had to call on our previous supplier every time we wanted to change the warehouse layout. Now, we are self-sufficient thanks to the KBS snap-on solution, which saves us time and money.“

– Hans-Peter Häußinger, MairDumont GmbH

Reliable

“We have achieved zero error picking through a simple solution: As one’s own name is distinctive, the pick-by-light displays deployed in U-shaped revolving chair assembly use each employee’s name to ‘speak’ to them. In addition, the robust metal design of the modules is convincing.“

– Ralph Scherer, Sedus Stoll GmbH

Flexible

“Bearing in mind that space is very tight, KBS went the extra mile and developed a completely new PTF display for Roche. The colour differentiation provided by KBS’s multi-colour pick-by-light displays ensure that employees don’t choose the wrong compartment.“

– Dirk Petri, Roche Diagnostics GmbH

Fast

“In a direct comparison with other Pick-by-Light vendors, KBS’s QuickReply solution was the winner. This solution dispenses with having to use the confirmation key on the PTF displays. Today we work faster and the quality is better.“

– Franz Blaschke, MAN Nutzfahrzeuge GmbH

**KBS will support you in the planning and implementation.
Just give us a call or send us an e-mail and get to know us.**

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