

Length Measurement & Data Transfer System

LDS



POS Application for CV and carpets,
for pre-cutting and sales



**L D S – optimised sales support
and future-oriented system solution**

With present-day manual receipt systems, numerous possible faults can occur, whereas a comprehensive status and inventory depletion control is not possible.

L D S Barcode

Barcode-supported length measurement system and creating machine-readable payment receipts and labels for carpets and CV goods, with carpet cutting machinery.

L D S Konfiguration

LDS with carpet cutting machinery.
Schwab TSM S 50



Electronic meter and controller



Barcode label printer



Manually operated meter



Hand-scanner



LDS Application

The selected goods are identified by the hand-scanner, the required measured length is entered in the meter. Handling of the cutting machine, with precise cutting of the goods automatic shut-off once the desired length has been reached, is just as accustomed.

Two labels are automatically printed:

- A label for saleable good, with which the item is paid for at the Point Of Sales (POS). This label registers the: product code, cut good length, the length to be paid and the cut area in m².

- Label for the remainder roll. This label registers the: product code and the now currently remaining length on the roll.



Custom product label

Product number	000
Length to be sold	1.0 m
Actual cut length	1.3 m
qm ²	3.9 m ²

Product number	000
Remaining length	48.7



Label for the remainder roll



L D S Benefits

- Access control / machine operation only for authorised personnel, as operation is only possible with the entry of a valid PIN code.
- Automatic user guidance in handling the measurement system.
- Identification via PIN code.
 - Depletion tracking
 - Anti-theft protection
 - Individual performance data for sales personnel
- Exact tracking of cut, desired and charged goods; this way a reduction in the loss of goods can reliably be attained.
- Ongoing overview of all available remainder roll goods inventories.
- Machine-readable payment receipts for quick and easy sales transactioning at the POS.
- Continuous inventory data by means of precise-to-the-cm booking of actual lengths / amounts.
- Approved, calibratable measurement system.



Specifications

Thermal printer with endless paper, 19 V
Meter - Controller 10-key keypad with 2-line LED display, 220/ 230 – 19 V
LED scanner 19 V

Subject to technical changes without notice in terms of ongoing development.



Retrofitting – convertig to L D S

Schwab cutting machinery can be optionally equipped with LDS.
For Schwab cutting machinery currently in use, an economical retrofit to LDS is possible.

For approved cutting machinery from other manufacturers we can also perform necessary conversions.

Utility model protected (DBGM)



**L D S – supports sales,
optimises inventories,
simplifies inventory management,
hinders theft,
reduces losses and waste**



3 Steps with a large impact

1 – Determining the required receipt data

Pursuant to the existing product codes, vendor codes and prices, the desired transaction data to be captured such as:

- Actual tagged length, tagged sales length, actual tagged area in qm, tagged sales area in qm, remainder roll length, tagged remainder roll area in qm can be determined individually depending on customer requirements. Based on these data a commercially economic analysis can be made.

2 – Selection of operating personnel

Operating personnel can be determined based on employee and PIN numbers. Hence, the measurement and cutting system is only available to an authorised group.

3 – Determining the allowable wastage

For each tagged cutting activity there is a selectable, determined wastage amount for a given length; if this wastage amount is exceeded, then cutting of the goods is not possible.

This guarantees a minimalisation of additional, free giving away of goods.



Convincing numbers

Sale of 20 tagged units @ 10 qm with a 2.5 m length, 4 m width
250 sales days / year means a sales volume of 50,000 qm / year
4% wastage - 8 qm / day or 2000 qm / year

A reduction of 2% wastage translates into 1000 qm / year savings

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