

# Standard measuring lengths

Three linear transducer types are available:

for "normal" installation

## LS 603 Universal linear transducer

mm	170	220	270	320	370	420	470	520	620	720	770	820	920	1020	1140	1240	1340	1440	1540	1640
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Measuring lengths: 170...3040 mm

Grating pitch of  
DIADUR-glass scale: 20  $\mu$ m  
System accuracy:  $\pm 10 \mu$ m

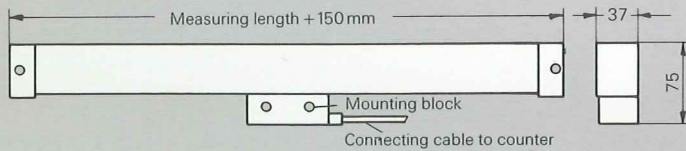
**Reference marks:**

One at mid-point of measuring length.

**Special designs:**

One or more – possible locations:  
every 50 mm, from mid-point of the  
measuring length.

One at any specified location.



for "confined space" installations

## LS 303 slimline linear transducer

mm	70	120	170	220	270	320	370	420	470	520	570	620	720	770	820	920	1020	1140	1240
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Measuring lengths: 70...1240 mm

Grating pitch of  
DIADUR glass scale: 20  $\mu$ m  
System accuracy:  $\pm 10 \mu$ m

**Reference marks:**

For measuring length **70 mm**: one at  
mid-point of the measuring length.

For measuring lengths **120...1020 mm**:  
two reference marks each located  
35 mm from beginning and end of the  
measuring length.

For measuring lengths **1140 and  
1240 mm**: two reference marks each  
located 45 mm from beginning and end  
of the measuring length.

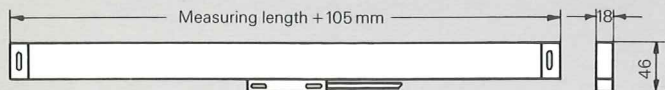
**Special designs:**

One at mid-point of measuring length.

One at any specified location.

**Installation:**

Either with or without mounting spar.



## LB 326 Linear transducer for large traverses

	440	640	840	1040	1240	1440	1640
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Measuring lengths: 440 mm...30 m

Grating pitch of  
AURODUR-steel tape scale: 100  $\mu$ m.  
Tape scale accuracy:  $\pm 5 \mu$ m with  
 $\pm 2 \mu$ m/200 mm

**Measuring standard (AURODUR-  
steel tape scale)** in one piece up to  
30 m long.

**Scale housing** completely assembled  
transducers for measuring lengths up to  
3040 mm. For larger measuring lengths,  
the housing comprises individual butted  
sections.

**Reference marks:**

One or more reference marks possible;  
starting 20 mm from the beginning  
of the measuring length.

By shifting the reference mark selector,  
the required reference mark can be  
made active.

When the selector is allocated to a certain  
reference mark, a triggering signal is  
generated by the LB 326 when the scan-  
ning unit crosses the selected reference  
mark.

