

## ABSOLUTE Digimatic Linear Gauge LGS

Item number: 575-303

### Images



### Description

The LGS is a compact ABS linear gauge that offers you the following benefits:

- Its ABSOLUTE Digimatic data output and IP-66 protection class give you best-of-breed technology.

### Features

<b>Model:</b>	LGS-1012P
<b>Inch-Metric:</b>	Metric
<b>Accuracy:</b>	15 $\mu$ m
<b>Measuring force:</b>	2 N with spindle down, 1.8 N spindle horizontal, 1.6 N spindle upwards
<b>Scale:</b>	Capacitance-type ABSOLUTE linear encoder
<b>Stem <math>\varnothing</math>:</b>	8 mm
<b>Max. response speed:</b>	1600 mm/s; (measuring by scanning not possible) mm/s
<b>Contact point:</b>	$\varnothing$ 3 mm carbide
<b>Cable length:</b>	2 m
<b>Power supply:</b>	5 to 10 V (5 mA max.)
<b>Max. response speed:</b>	Unlimited (measuring by scanning cannot be performed)
<b>Output signal:</b>	Digimatic output

**Environmental conditions:** 0 °C to 40 °C (20 % to 80 % rel. humidity, no condensation) °C

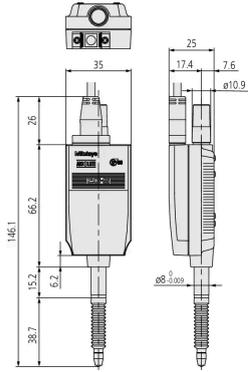
**Bearing type:** Slide bearing

**Direction of counting:** positive

**Mass:** 190 g (included cable)

**Digital step:** 0,01 mm

## Dimensions



## Accessories

### Optional accessories:



### Extension Adaptor

for SPC Cables.  
Art No. 02ADF640  
Suggested retail price: 68.00 €\*



### Digimatic Cable, Flat 10-Pin Type

1 m  
Art No. 936937  
Suggested retail price: 57.00 €\*



### Digimatic Cable, Flat 10-Pin Type

2 m  
Art No. 965014  
Suggested retail price: 72.00 €\*



## Air Drive Unit, Indicator/Linear Gauge

for ID-S, ID-C, LGS, 12,7 mm and 0,5" Range  
Art No. 903594  
Suggested retail price: 189.00 €\*



## Display Unit EC-Counter

CEE, for Digimatic Gauges  
Art No. 542-007D  
Suggested retail price: 393.00 €\*



## Linear Gauge Counter EG

for Linear Gauge LGS, LGD, Scale Units  
Art No. 542-016  
Suggested retail price: 513.00 €\*



## Linear Gauge Counter EB

for LGS, LGD, Scale Units  
Art No. 542-093-2  
Suggested retail price: 578.00 €\*



## Linear Gauge Counter EH

for LGS, LGD, Scale Units  
Art No. 542-072D  
Suggested retail price: 1,226.00 €\*

## Linear Gauge Counter EV-D

for LGS, LGD, Scale Units

Art No. 542-064

Suggested retail price: 1,340.00 €\*  
€\* = net price, excl. VAT



## Digimatic Interface DMX-8/2

8x Digimatic Input, Serial D-SUB 9 Connector

Art No. 63AAA033

Suggested retail price: 1,390.00 €\*  
€\* = net price, excl. VAT



## Digimatic Interface DMX-16

16x Digimatic Input, Serial D-SUB 9 Connector

Art No. 63AAA026

Suggested retail price: 2,120.00 €\*  
€\* = net price, excl. VAT



## Digimatic Interface DMX-16C

16x Digimatic Input, Serial D-SUB 9 Connector

Art No. 63AAA106

Suggested retail price: 2,874.00 €\*  
€\* = net price, excl. VAT



### Spare parts

Consumable spares:



**Silicon rubber boot for ID-C,  
ID-N, ID-S**

Art No. 238774

Price on application