



Intrinsically-Safe Laser Meter Ex-DISTO memo



The digital tape measure for use in all situations including hazardous areas – the intrinsically safe laser meter Ex-DISTO memo.

Designed for use in hazardous areas, the Ex-DISTO memo provides you with a completely improved quality of measurement. You can now carry out the measurements by yourself – without the expenses of assistance and store the important data you need in the Ex-DISTO memo. Once out of the hazardous area, you can print the results on your PC by using the RS 232 interface. The 1000 memory locations can be divided exactly to suit your needs to retain an overall picture.

This most modern laser technology provides rapid and precise measurement of length, width and height. The visible laser beam allows you to pinpoint the precise spot you want to measure. This immediately shows you the advantage of the laser measurement principle over the often inexact ultrasonic measurement and the tape measure – the exact measurement is given. To make measuring in open spaces easier, there are optional laser glasses for short distances, and a telescopic sight for long distances or small targeting areas available. The Ex-DISTO memo then calculates the distance to the laser target point at the push of a

button and indicates the value on a digital display. But Ex-DISTO memo can do much more than just take measurements, because the laser meter allows the addition and subtraction of measurements and the calculation of areas and volumes, just like a pocket calculator; thanks to its easy to use keypad - fast, simple and accurate to the millimetre. The Ex-DISTO memo can be used for a wide variety of practical applications. Measuring structural dimensions allowing for tolerances, inaccessible places with the automatic trip or large distances using a tripod – these are just a few of the applications that this explosion proofed laser meter can help make easier.



Horizontal expansion - no problem, millimetre precise.

Technical data:

Smallest unit that can be displayed:	1 mm
Measuring accuracy:	typically ± 3 mm maximum ± 5 mm
Measuring range on natural surfaces:	$\sim 0,3$ m to < 50 m

For quick and laser-accurate measurement of pipework, cables, machines and buildings in hazardous areas.

Areas of application:

- computing of areas and volumes
- checking of safety regulations (e.g. spacing)
- Pipework installation
- cable laying
- surveying
- measurements from Zone I to Zone 0
- measurements of filling level

Product features:

- enormous savings in time and cost
- no need for assistance
- measuring range from approx. 0.3 m to >100 m
- quick and accurate
- non-contact

Ex-data:

Ex designation:
 Ⓜ II 2 G EEx ia IIC T4
 Ⓜ I M2 EEx ia I

EC-Certificate of Conformity:
 TÜV 99 ATEX 1387 X
 IBEU 99 ATEX 1141 X

Scope of supply:

Ex-Disto memo incl. leather case and batteries

Accessories:

Interface cable, daylight point location telescope BFT4, bubble level GLI 22

Measuring range to target board:	~ 20 m to > 150 m
Continuous measurement:	~ 1 to 6 measurements
(Tracking) per sec.	
Internal memory capacity:	1000 values
Measuring time:	0.5 to ~ 4 sec.
Automatic laser switch off:	after 180 sec.
Temperature range:	
Operation	$0^{\circ}\text{C} \dots +40^{\circ}\text{C}$
Storage	$-40^{\circ}\text{C} \dots +70^{\circ}\text{C}$
Laser class:	2, in accordance with IEC825-1 and EN60825-1
Light source, red:	laser diode 620 - 690 nm
Power supply:	4 standard batteries refer to IEC LR6, size AA
Ingress protection:	IP 54 as per IEC 529
Weight (incl. batteries):	appr. 670 g
Dimensions:	appr. 223 x 78 x 51 mm