



Self-Illuminating Levelling Staff LumiScale

LumiScale is a self-illuminating levelling staff for digital levels for use under unfavourable light conditions such as underground and tunnelling construction projects.

With regard to its precision, self-illuminating levelling staff **LumiScale** fulfills the norm DIN 18703.

The **LumiScale** graduation is back-lit via an electroluminescent foil which uniformly illuminates the entire graduation without any shades. Extensive tests, performed by the University of Graz, Austria, have proven that measuring errors are eliminated thanks to the equable illumination of the graduation. For this reason the **LumiScale** technology is superior to an external illumination of the graduation. **LumiScale** is available with bar codes for all common digital levels.

Features:

- Illuminated graduation
- Illuminated bubble
- Supplied with rechargeable batteries, charger and bag

Nedo LumiScale

Ref.-No.	
Ref.-No. 340 220	LumiScale with Trimble bar code
Ref.-No. 340 222	LumiScale with Leica DNA bar code
Ref.-No. 340 224	LumiScale with Sokkia/Topcon bar code
Ref.-No. 340 225	LumiScale with Leica-Sprinter bar code

Technical data:	
Graduation	bar code
Carrier of graduation	polyester film ($\alpha_{TH} < 18 \text{ ppm}/^{\circ}\text{C}$)
Accuracy	$\Delta l = \pm(0.2 \text{ mm} + 2l \cdot 10^{-4})$
Illuminated area	2125 mm x 25 mm
Illumination	electroluminescent foil
Power supply	removeable NiMH rechargeable batteries, 2000 mAh
Operation duration	approx. 5.5 h
Circular bubble	illuminated, sensitivity 12'
Protection class	IP 54
Dimensions	2200 mm x 70 mm x 60,5 mm
Body of staff	aluminium profile
Weight	approx. 4.0 kg (with rechargeable batteries)



Errors and omissions excepted