

Tool Setting Probe Z-Nano RC





Z-Nano RC | Tool Setting Probe | Tactile tool setting system with BRC radio transmission

Wireless and extremely precise - flexible **RC-tool setting probe with linear working** principle for monitoring of smallest tools

- Tool breakage detection
- Tool length measurement
- Axes compensation
- · Solution for machines with pallet changers, where line of sightbetween probe and receiver is blocked or intermittent

Your benefit:

- Extremely fast tool breakage detection
- No subsequent damage due to tool breakage
- Fast ROI
- No-wear, optoelectronic measuring mechanism
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Compact and robust design

Linear working principle

Technical data Protection class

Approach direction

Max. stroke Trigger point *

Repeatability

Max. probing speed

Min. tool diameter *

Signal transmission

Frequency band

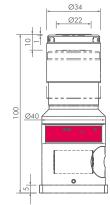
Battery (2 pieces)

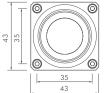
Mass

Meas. force vertical mounting *

Meas. force horizontal mounting *

Due to the linear working principle the probe provides a minimal and torque-free measuring force. Even the most sensitive and smallest tool diameters can be measured extremely precise.









Fast tool breakage detection on horizontal machining centre with pallet changer



Sequential use of up to 6 measuring systems with one radio-receiver



Many accessories available: chip protection, cleaning nozzle and mounting system, etc.



Exchangeable measuring surface

* Measuring force with chip protection & additional spring: see data sheet ** Depending on geometry and material of tool. Probing force must not result in damage of tool

Transmission power | Operating range 0 dBm | 15 m

290 g

IP68

10 mm

1 mm

0.5 μm 2σ

2 m/min

2.2 N | with chip protection: 2.4 N

3.0 N | with chip protection: 3.2 N

> 0.1 mm/with chip protection: 0.2 mm

Saft Lithium LS14250 (1/2 AA, 3.6 V) 1200 mAh

Radio (BRC Technology)

2.4000 ... 2.4835 GHz

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