



## ZX-Speed RC 3D Tool Setting Probe



**Tool Measurement**



Radio Transmission



Multidirectional



Wear-free Measuring Mechanism



Tool Breakage Detection



Tool Length Measurement



Tool Radius Measurement



Axes Compensation

# 3D Tool Setting Probe ZX-Speed RC

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## ZX-Speed RC | 3D Tool Setting Probe | Tactile tool setting system with BRC radio transmission

### Wireless 3D tool setting probe for precise tool measurement

- Tool breakage detection
- Tool length measurement
- Tool radius measurement
- Axes compensation
- Perfect where line of sight between probe and receiver is blocked or intermittent

### Your benefit:

- Reliable measurement with a wide range of tool types and sizes
- Superior precision due to latest measuring mechanism technology
- No subsequent damage due to tool breakage
- Fast ROI
- Easy pairing procedure between probe and receiver
- Use of up to 6 measuring systems with one receiver
- Extended battery life
- Compact and robust design

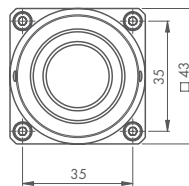
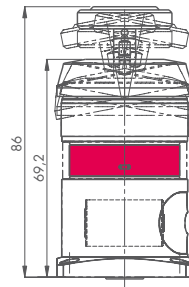
### Optoelectronic measuring mechanism

- Skip signal is generated via shading of an interior miniature light barrier
- Wear-free signal generation
- Enables higher measuring speeds and accuracy than with conventional probes

### Technical data

Protection class	IP68
Approach direction	$\pm X, \pm Y, -Z$
Measuring force in XY   Z	3.0 N   5.2 N
Max. deflection in XY   Z	$\pm 11^\circ$   6 mm
Repeatability	0.4 $\mu\text{m}$ $2\sigma$
Max. probing speed	2 m/min
Min. tool diameter	1 mm *
Mass	280 g
Signal transmission	Radio (BRC Technology)
Frequency band	2.4000 ... 2.4835 GHz
Transmission power   Range	0 dBm   15 m
Battery (2 pieces)	Saft Lithium LS14250 (1/2 AA, 3.6 V) 1200 mAh

\* Depending on geometry and material of tool. Probing force must not result in damage of tool



Tool length measurement



Tool radius measurement



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



Optional nozzle for tool cleaning

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