RADIO TRANSMISSION PROBES FOR CNC MACHINE TOOLS

IP68 WATERPROOF

Unit:mm

styli
(code **9410-P10**, included)

9426-1

9426-A

Unit:mm

Ø73

M14

probe extension rod(included)
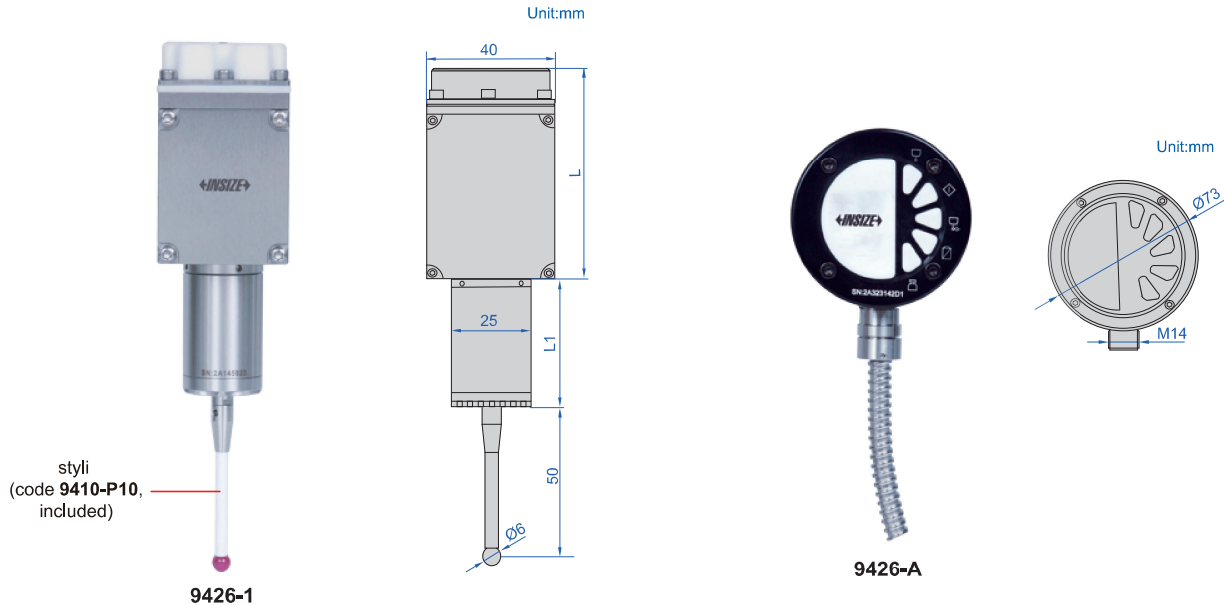
- On-machine measurement of all kinds of lathes, turning centers and mill-turn CNC machines tools
- Automatically set the workpiece coordinate and machining reference point before CNC machining process
- Automatically measure dimension and position coordinate during CNC machining
- Measure dimension, shape and position after CNC machining is completed
- Four kinds of SSR signals such as probe status, error, low voltage and pulse are transmitted to CNC machine tools
- M code is used to control on or off of probes
- Radio transmission, transmission/reception range: 14m
- Supplied with measurement software
- Optional accessory: styli
- Mounting plate can be customized

PROBE SPECIFICATION

Code	9426-1	9426-2	9426-3	9426-4
Signal transmitter length (L)	67mm	67mm	67mm	67mm
Probe length (L1)	42mm	42mm	42mm	42mm
Probe extension rod (included)	—	50mm	100mm	150mm
Trigger accuracy of styli in any direction	1μm			
Protection stroke triggered by styli in all directions	X and Y axis stroke: ±12°, Z axis stroke: 5mm			
Trigger force of styli in all directions	X and Y axis: <1.6N, Z axis: <9.8N			
Dust/waterproof	IP68			
Power supply	2xLS14250 lithium battery			

RECEIVER SPECIFICATION

| Code	9426-A
Protection function	low battery voltage or probe transmitting signal all the time*
Applicable probe	code 9426-1, 9426-2, 9426-3, 9426-4
Cable length	8m **
Dust/waterproof	IP68
Power supply	input voltage: 24V±10%(DC), load current: 50mA

* When battery voltage is low or probe is in wrong state, receiver sends a signal to CNC machine to stop working

** Cable length can be customized

STYLI(OPTIONAL) (mm)

Code	L1	L2	Ød	Material of rod***	Material of ball
9410-P1	18	13	4	stainless steel	ruby
9410-P2	18	13.5	5	stainless steel	ruby
9410-P3	18.5	13	3	stainless steel	ruby
9410-P4	19	8	2	carbide	ruby
9410-P5	19.5	4	1	carbide	ruby
9410-P6	50	40	2	carbide	ruby
9410-P7	50	34	5	ceramic	ruby
9410-P8	100	86	6	ceramic	ruby
9410-P9	40	30	4	ceramic	ruby
9410-P10	50	36	6	ceramic	ruby

Unit: mm
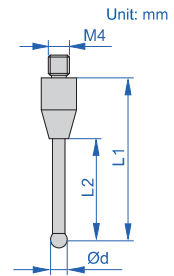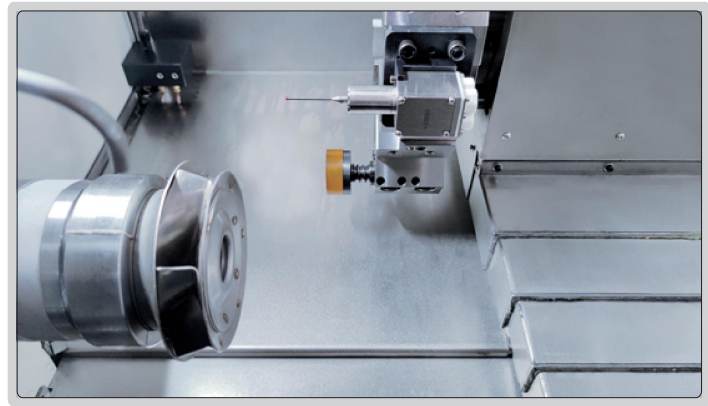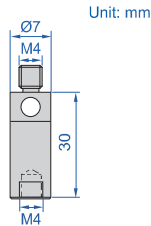
***For stainless steel or carbide rods, it is recommended to use extension rods to protect spindles in case of break
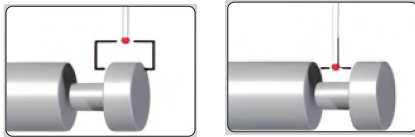
EXTENSION ROD (OPTIONAL)

Code	Material
9410-R1	ceramic

Unit: mm

application

MEASUREMENT SOFTWARE (INCLUDED)

1. Styli automatic calibration
2. Protection of stylus during probe movement (avoid collision)
3. Groove and boss measurement

4. Bore and axis measurement

5. Measurement of X and Y axis step plane
6. Measurement of X and Y plane angle
7. Measurement of internal arc in X and Y plane