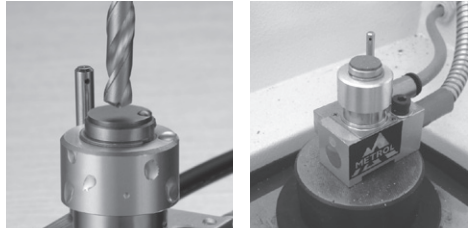


■ Tool Setters for small CNC machining centers are used for precise blade positioning, and detection of the wear and breakage.



Standard specifications

unit:mm

Product name	P21EDBP
Output mode	NC (Normally closed)
Pretravel	Approx. 0
Stroke	5
Repeatability	0.0005 (Recommended operating speed of 50 - 200mm/min)
Contact life time	3 million
Protective structure	IP67
Contact force	1.5N
Contact material	Tungsten carbide
Surface finishing	Grinding 4s
Contact rating	DC5V - DC24V 10mA (Max20mA) resistance load
Cable	Oil resistant φ3.7 / 4 cores Tensile strength 30N, Minimum bending R7
LED lamp	Default : LED ON / Operating : LED OFF

Precautions

· Although a protective cover is provided with the sensor, an extra cover is needed separately to prevent high pressure coolant or heavy cuttings from entering inside and accumulating in the body.

· Rubber materials used in products are applicable to water-soluble coolants and alkaline liquids. (Refer to P5-4)

- Precautions for Tool Setters P2-3
- Precautions for sensor connecting P5-1
- Cable options P5-2
- Technical guide P5-3

Over travel signal (built-in microswitch)

Output mode	NC (Normally closed) "About 2.5mm from skip signal"
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φ10 Contact Type

Tool Setter for Small CNC Machining Centers Flat Type

Outer dimensions

P21EDBP

● Circuit diagram

Specification sheet

Fax +81 42 528 1442
E-mail : touchsensor@metrol.co.jp

▼Please send us your inquiry by fax/e-mail after copying this page, and filling in necessary information. Sample :

Optional specifications (Bold:Standard)

Date:(mm,dd,yy) _____

Air blow pipe	<input type="checkbox"/> Necessary	<input type="checkbox"/> Not required
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Cable options (1m/unit)

Length / Protective cable	_____ m / <input type="checkbox"/> Not required	<input type="checkbox"/> Protective tube _____ m (Upper limit :15m)
Connector (Refer to P5-2)	<input type="checkbox"/> Not required	<input type="checkbox"/> Connector
Machine side cable option	Length _____ m	
from connector (if desired)	Protective cable <input type="checkbox"/> Not required	<input type="checkbox"/> Protective tube _____ m (Upper limit :15m)

Company :
Dept. / Title :
Customer name :
Address :
Tel : _____ Fax : _____
E-mail :
Other (if any) :

Ordering and Inquiries

1.Customer

Fill out the specification sheet and send to Metrol.

2.Metrol

Send the drawing(s) of specific model based on spec sheet received.

3.Customer

Select/confirm the specific model by the customer.

4.Customer /Metrol

Metrol sends the quote, and the customer places the order for the same.

✉E-mail to : touchsensor@metrol.co.jp

📄Download PDF sheet : <http://toolsensor.com/builder.html>