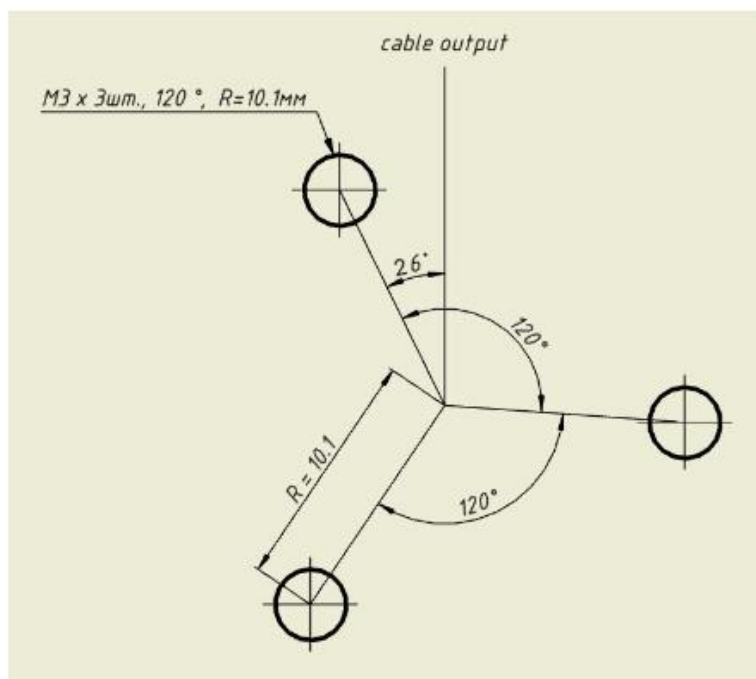


Specifications.

Unidirectional repeatability	< 0.003 mm
Search directions	$\pm X, \pm Y, -Z$
Permitted deviation of the measuring pad in XYZ directions	$\pm 4\text{mm}$
Contact force	min 0.5N max 2N
Diameter and overall height	D=28.8mm, H=40mm
Diameter and height of the ceramic pad	D=10mm, h=2.5mm
Power supply	+5v...+24v
Current consumption	<4mA
Dust protection	Yes
Splash protection	Yes
Adjustability	Yes

The device is fixed to the machine body with three M3 screws. Three threaded holes are prefabricated in the machine body:



Adjustment.

Before starting the measurement, it is necessary to adjust the device. As a result of the adjustment, the surface of the measuring platform should become parallel to the XY plane.



The indicator should be sensitive to a weak effect of 0.3-0.5N (for example, most lever indicators have this property).

For adjustment, three points are selected at the measuring pad (shown with red crosses) approximately at the edge of the site in the direction of the adjustment holes. The indicator is set in the spindle (you will need to moving the spindle in XY coordinates), the stylus of the indicator is located to measure the deviations in height. The results of the indicator must have to the same values in these three selected points. For adjustment, a 2mm hex key is used from the kit, both screwing in and loosening of the adjustment screws located inside the holes, closed with elastic bands. The key is recommended to hold for a short lever, so as not to develop excessive force when screwing.



Connection.

Starting from v.7.1, the sensors are equipped with NPN and PNP outputs, polarity reversal protection, protection against short circuits of the output to power and ground.

NPN or PNP output is selected by the customer during the checkout process.

The color of the wires inside the cable corresponds to the colors of the connections in the scheme.

