

MiniProfiler MP15

Miniaturized Pickup

breitmeier
A NanoFocus Company

nanofocus
see more

Portable Miniature Roughness & Waviness Measurement Device

**Roughness
+
Waviness**
100 μm - 2 mm

Adaptable
Usable on
various
workpiece
shapes

Versatile
Wide variety of
measurement
tasks

Customizable

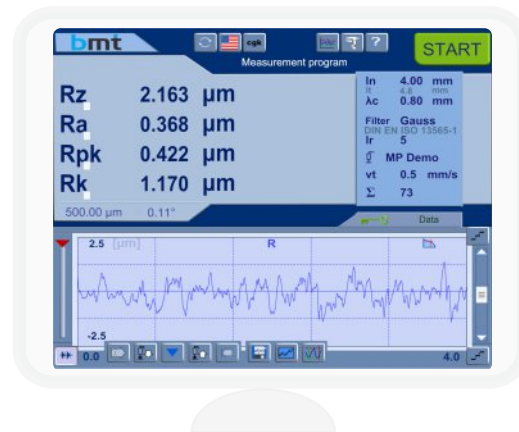
**Easily
attachable**

Stylus protection

Quick-change stylus
60 sec.

Vibration resistant

Wireless



The MiniProfiler MP15 is a **tactile skidless measurement device** with a measurement distance of 15 mm.

It belongs to the MiniProfiler product line of Breitmeier Messtechnik GmbH. Since 2001 the company has been designing, developing and building cutting-edge measurement devices and systems in Germany.

Our MiniProfiler product line is available for a **wide range of applications** which require measurement of technical surfaces, such as shafts, grooves on shafts and pistons, camshafts, vent sealing lips, cylinder bores and metalsheet.

for Quality Assurance in Laboratories & on Production Lines



MiniProfiler MP15



Technical Specification

ISO 3274	Measurement system with reference datum
Measurement principle	Skidless stylus; tactile
Reference datum	Precision flat
Measurement uncertainty [%]	0.5
Measurement range [µm]	100; 500; 1000; 2000;
Resolution [Bit]	20
Stylus tip radius [µm]	2; 5; *
Stylus angle [°]	90; 60; *
Measuring distance [mm]	15; *
Travel speed [mm/s]	0.1 - 2
Stylus protection	Lift off actuator
Internal memory	Pickup and service data; measurement programs
Quick-change components	Stylus; cable

Standards

ISO	ISO 4287; ISO 13565-2; *
Other standards	Daimler MBN 31007; SEP 1941; JIS B 0610; *
Profile parameters	Pt; Pc; Pv; Py; Pa; Pp; Pmr; *
Waviness parameters	Wt; Wc; Wv; Wy; Wa; Wp; Wsa(1-5); Wa0.8; Wca; *
Roughness parameters	Rt; Rv; Ry; Ra; Rmr; Rp; Rq; Rz; Rmax; dominant waviness; *
Core roughness parameters	Rk; Rpk; Rpk*; Rvk; Rvk*; Mr1; Mr2; R3z; R3max; *
Filters	Gauss; ISO 1562/16610-21; ISO 13565-1; VDA 2008; ISO 16610-31; *

Software

Number of measurement programs	> 1000
Data interfaces	USB 2.0; USB 3.0; RS 232; QDAS; Excel; PDF (configurable); *

Measurement Environment and Dimensions

Operating position	Arbitrary
Operating temperature [°C]	5 - 35
Dimensions [mm]	52 x 28 x 40 (without trunk)
Weight [g]	150

* Customizable

MiniProfilers



MiniProfiler-C
with camera



MiniProfiler MP15



MiniProfiler MP50/75



MiniProfiler MP15
for CMM or robot