

❖ product information ❖

eXacto COATING THICKNESS GAUGE

Technical data and product features for eXacto

eXacto type F

for measurements on steel
(magnetic induction
principle)

eXacto type N

for measurements on non-
ferrous metals (eddy-current
principle)

eXacto type FN

both principles combined in
one gauge

Measuring range:

F: 0 ... 3000 μm /120 mils
N: 0 ... 2000 μm /80 mils
FN: 0 ... 2000 μm /80 mils

Tolerance:

\pm (2 μm + 3% of reading)
Resolution in the lower
range: 0.1 μm /0.04 mils

Calibration:

Zero = Zero calibration
Cal = Calibration with
calibration foils

Minimum measuring area:

\varnothing 20 mm/0.8"

Minimum substrate thickness:

F = 0.5 mm/20 mils
N = 50 μm /2 mils

Minimum curvature radius:

convex: 5 mm/0.2"

concave: external probe:
25 mm/1.0"
internal probe:
35 mm/1.4"
at the edges:



Ambient temperature:

0° -- 50 °C/32° -- 122°F

Interface:

eXacto with external probe:
infrared to MiniPrint data
printer or PC.
eXacto with internal probe:
RS 232 C and infrared
interface for connecting to
PC.

Dimensions:

160mm x 35mm x 40mm
6.3" x 1.7" x 1.5"

Weight:

approx. 200 g

Statistical evaluation:

Single value statistics:

number of readings, mean
value, standard deviation,
min., max.

Block statistics:

number of readings per block
as needed (5...30, mean and
standard deviation per block)

Data memory:

for 90 readings of 45 block
values (mean and standard
deviation)

Monitoring of tolerances:

limit setting and alarm signal

Delivery schedule:

eXacto is supplied with wrist
strap batteries control
standard (steel and/or
aluminium) calibration foils
soft carrying case operating
instructions plastic case

60 mm/2.4"
in the middle of an
object to be
measured

Accessories:
infrared adapter RS 232

Measuring unit:
metric/imperial at choice