



# **VOLTCRAFT®**

## **VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY**

“Since 1982, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

# **SDM-115** **MEASURING INSTRUMENT** **FOR COATING THICKNESSES**

**CE**

VERSION 12/21

**Nº 10 08 47**

The measuring instrument measures and indicates the thickness of non-magnetic coatings such as lacquers, colours, glass, porcelain, plastic, etc. on magnetic and non-magnetic metals on the display. The detection of magnetic metals such as iron, sheets or steel, as well as non-magnetic metals such as aluminium, brass etc. is done automatically. A manual presetting is possible.

## **HIGHLIGHTS**

**Easy detection of re-coatings or repairs //**

**Dual point calibration for high accuracy //**

**MAX/MIN function //**

**Hi/Lo alarm //**

**For all ferrous and non-ferrous metals //**

**Automatic metal detection //**

**Data logger capacity up to 255 samples //**



# GENERAL SPECIFICATIONS

**MEASURING RANGE:** 0 to 1,000  $\mu\text{m}$  (0 to 40 mils) **RESOLUTION:** 1  $\mu\text{m}$  **ACCURACY:**  $\pm 3\%$ , given in 4 digits **ELECTRICAL SUPPLY:** 9 V compound battery (e.g. 1604, 6F22) **WEIGHT:** approx. 135 g **DIMENSIONS (L x W x H):** 148 x 105 x 42 mm

## TECHNICAL DATA

General	
Display:	LC display, 2000 counts
Measuring interval / measuring time:	1 second
Definition:	1 $\mu\text{m}$ (0.1 mil)
Measurable carrier materials:	magnetic metal: iron, steel non-magnetic: copper, aluminium, zinc, bronze, brass, etc.
Accuracy:	0 to 199 $\mu\text{m}$ ( $\pm 10 \mu\text{m}$ ) 200 to 1000 $\mu\text{m}$ ( $\pm 3\% + 10 \mu\text{m}$ ) 0 to 7.8 mils ( $\pm 0.4$ mils) 7.9 to 40 mils ( $\pm 3\% + 0.4$ mils)
Temperature factor per $^{\circ}\text{C}$ :	$\pm 0.1\%$ (beyond 18 $^{\circ}\text{C}$ to 28 $^{\circ}\text{C}$ )
Automatic cut-off:	approx. 15 s without measurement / keystroke

Ambient conditions	
Operating temperature:	0 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$
Relative humidity (operation):	< 75 % (non-condensing)
Storage conditions:	-20 $^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$
Relative humidity (storage):	< 80 % (non-condensing)

## PACKAGE CONTENT

Measuring instrument for coating thicknesses // 9 V compound battery // Aluminium plate // Steel plate // Plastic plate // Carrying case // Operating Instructions

This data sheet is published by Voltcraft®, Lindenweg 15, D-92242 Hirschau / Germany, Phone +49 180 586 582 7. The data sheet reflects the current technical specifications at time of print. We reserve the right to change the technical or physical specifications.