

## Calibration Standards – Dummy Probes

Calibration standards – also known as "dummy probes" – are resistance dividers. Each calibration standard simulates a given length dimension with high accuracy. Each calibration standard has 2 values (positive and negative). The values indicated below are the nominal values.

These products are calibrated and supplied with an inspection report that shows the values (actual values) measured during calibration and the related measuring uncertainty.

The calibration standards are connected to the instrument in place of regular probes. For the calibration and all required setting operations of the instrument, certain criteria and conditions need to be respected. Consult the user manual or get in touch with our specialists for further information.



Set of 3 calibration standards (S41077249)



Input impedance  
 $970 \pm 50\Omega$  (13 kHz)  
 or  $2150 \pm 50\Omega$   
 (standard  $0 \mu\text{m}$ )  
 Phase (13 kHz):  
 $71 \pm 2^\circ$ . Input  
 resistance:  
 $100 \pm 5\Omega$ . Output  
 impedance at  
 13 kHz:  $1000 \pm 2\Omega$ .  
 Phase (13 kHz):  $0,2^\circ$   
 Dummy probe (half-  
 bridge), sensitivity  
 $73,75 \text{ mV/V/m}$ .  
 Suitable for  
 instruments with  
 following features:  
 Frequency: 13  
 $\pm 0,65 \text{ kHz}$ , Voltage:  
 $3 \pm 0,015 \text{ Veff}$  (2  
 symmetrical voltages  
 of  $1,5 \text{ Veff}$ ) Input and  
 output impedance:  
 $\leq 0,2\Omega$  et  $2000\Omega$ ,  
 respectively



$-10^\circ\text{C}$  to  $70^\circ\text{C}$



$10^\circ\text{C}$  to  $35^\circ\text{C}$



Calibration: 40 % to  
 60 %. Operating:  
 20 % to 80 %.  
 Storage: 5 % to  
 95 %. Without  
 condensation.



IP40 (IEC 60529)



Inspection report



$\emptyset 18 \text{ mm}$ , length  
 $118 \text{ mm}$



$\approx 45 \text{ g}$



$20 \pm 0,5^\circ\text{C}$ , stabilisa-  
 tion time = 8 h



$\pm 3 \text{ ppm}/^\circ\text{C}$ . Ageing:  
 $\pm 30 \text{ ppm/a}$



No	=	Value of the calibration standard (microns)
S41078077	Dummy probe	$\pm 0$
S41078079	Dummy probe	$\pm 3$
S41078228	Dummy probe	$\pm 100$
S41078230	Dummy probe	$\pm 190$
S41078087	Dummy probe	$\pm 300$
S41078332	Dummy probe	$\pm 500$
S41078751	Dummy probe	$\pm 1000$
S41078752	Dummy probe	$\pm 1900$
S41077249	Set of 3 dummy probes	$\pm 0 / \pm 100 / \pm 1000$
S41078654	Set of 2 dummy probes	$\pm 190 / \pm 1900$

