

TEST CERTIFICATE

IBExU® Institut für Sicherheitstechnik GmbH has carried out the following examination as a competent company in the field of explosion protection.

Manufacturer

FLEXIM Flexible Industriemess-
technik GmbH



Address

Boxberger Straße 4
12681 Berlin | Deutschland

Product

Ultrasonic Transducer

Product testing was carried out experimentally according to

EN 60529:1991 + A1:2000 + A2:2013

**Test report
Test result**

IB-21-8-0068 from 2021-09-09

IP65	*(D/L)G1N31, *(D/L)G1N41, *(D/L)G1NB1, *(D/L)K1N31, *(D/L)K1N41, *(D/L)K1NB1, *(D/L)M2E45, *(D/L)M2EB5, *(D/L)M2N41, *(D/L)M2NB1, *(D/L)P2E45, *(D/L)P2EB5, *(D/L)P2N41, *(D/L)P2NB1, *(R/T)G1N33, *(R/T)G1N43, *(R/T)G1NB3, *(R/T)H1N33, *(R/T)H1N43, *(R/T)H1NB3, *(R/T)K1N33, *(R/T)K1N43, *(R/T)K1NB3, *(R/T)M1N43, *(R/T)M1NB3, *(R/T)P1N43, *(R/T)P1NB3
IP66	*(D/L)M1NZ7, *(D/L)P1NZ7, *(D/L)G1E83, *(D/L)G1EW3, *(D/L)G1N71, *(D/L)G1N81, *(D/L)G1NW1, *(D/L)K1E83, *(D/L)K1EW3, *(D/L)M1N5*, *(D/L)G1E5*, *(D/L)G1NH1, *(D/L)G1NZ7, *(D/L)K1E5*, *(D/L)K1N71, *(D/L)K1NH1, *(D/L)K1NW1, *(D/L)K1NZ7, *(D/L)M1EZ7, *(D/L)P1EZ7, *(D/L)Q1NZ7, *(R/T)G1N73, *(R/T)G1N83, *(R/T)G1NC3, *(R/T)G1NH3, *(R/T)G1NW3, *(R/T)G1S83, *(R/T)G1SC3, *(R/T)G1SH3, *(R/T)G1SW3, *(R/T)H1N73, *(R/T)H1N83, *(R/T)H1NC3, *(R/T)H1NH3, *(R/T)H1NW3, *(R/T)H1S83, *(R/T)H1SC3, *(R/T)H1SH3, *(R/T)H1SW3, *(R/T)K1N73, *(R/T)K1NC3, *(R/T)K1NH3, *(R/T)K1NW3, *(R/T)K1S83, *(R/T)K1SC3,

TEST CERTIFICATE

IP66	<p>*(R/T)K1SH3, *(R/T)K1SW3, *(R/T)M1N83, *(R/T)M1NC3, *(R/T)M1NH3, *(R/T)M1NW3, *(R/T)M1S83, *(R/T)M1SC3, *(R/T)M1SH3, *(R/T)M1SW3, *(R/T)P1N83, *(R/T)P1NC3, *(R/T)P1NH3, *(R/T)P1NW3, *(R/T)Q1N83, *(R/T)Q1NC3, *(R/T)Q1NH3, *(R/T)Q1NW3, C(D/L)M2LZ1, C(D/L)P2LZ1, C(D/L)Q2LZ1, C(D/L)S1NZ7</p>
IP66 1)	<p>C(D/L)K1LZ7, *(D/L)G1N5*, *(D/L)K1N5*, *(D/L)M1E5*, *(D/L)P1E5*, *(D/L)P1N5*, *(D/L)Q1E5*, *(D/L)Q1N5*, *(D/L)S1N5*, *(R/T)G1N5*, *(R/T)G1S5*, *(R/T)H1N5*, *(R/T)H1S5*, *(R/T)K1N5*, *(R/T)K1S5*, *(R/T)M1N5*, *(R/T)M1S5*, *(R/T)P1N5*, *(R/T)Q1N5*, *(D/L)G1N62, *(D/L)K1N62, *(D/L)M1N62, *(D/L)P1N62, *(D/L)Q1N62, *(R/T)G1N62, *(R/T)H1N62, *(R/T)K1N62, *(R/T)M1N62, *(R/T)P1N62, *(R/T)Q1N62, *(D/L)K1N81, *(R/T)K1N83</p>
IP66 IP67	<p>*(D/L)Q2NW1, *(D/L)Q2N81, *(D/L)M2EH5, *(D/L)M2EW5, *(D/L)M2NH1, *(D/L)M2NW1, *(D/L)P2E85, *(D/L)P2EH5, *(D/L)P2EW5, *(D/L)P2EZ7, *(D/L)P2N81, *(D/L)P2NH1, *(D/L)P2NW1, *(D/L)Q1EZ7, *(D/L)Q2E85, *(D/L)Q2EH5, *(D/L)Q2EW5, *(D/L)Q2EZ7, *(D/L)Q2NH1, *(R/T)F1N73, *(R/T)F1N83, *(R/T)F1NC3, CDM2W53, CDP2R53, CDP2W53, CDQ2W53</p>
IP66 IP67 1)	<p>*(D/L)M2EZ7, *(D/L)M2NZ7, *(D/L)P2NZ7, *(D/L)Q2NZ7, CDM2R53, CDQ2R53, *(R/T)F1N5*, *(D/L)M2E5*, *(D/L)M2N5*, *(D/L)P2E5*, *(D/L)P2N5*, *(D/L)Q2E5*, *(D/L)Q2N5*, *(D/L)M2E85, *(D/L)M2N81</p>

1) The tests of the marked Ultrasonic Transducers were not carried out by IBExU but the results were taken from test reports and certificates of the companies AUCOTEAM GmbH and FM Approvals LLC.

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Date of issue 2021-09-09

Number of the certificate 2102

Issued by IBExU[®] Institut für Sicherheitstechnik GmbH
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