

ARRAY-PROBES

▷ innovative ▷ smart ▷ compact ▷ flexible



MODULAR SYSTEM FOR ARRAY - PROBES

Our array probe system consists of two components: the multiplexer and the array sensor. The multiplexer is required only once and forms the basis for operation.

The array sensors and flex array sensors are interchangeable and can be flexibly changed or replaced depending on the application – quickly, efficiently, efficient and without tools.



Array sensor with a rotary encoder – for example, for inspecting aircraft skin.

Multiplexer MINI \ MUX 64 KANAL Control center for array probes

APPLICATION

Operation of array probes with up to 62 probe elements, plus max. 2 calibration elements and selectable multiplexing scheme.

MULTIPLEXER MINI \ MUX 64 KANAL
A0M1900105001011



ARRAY-PROBE

APPLICATION

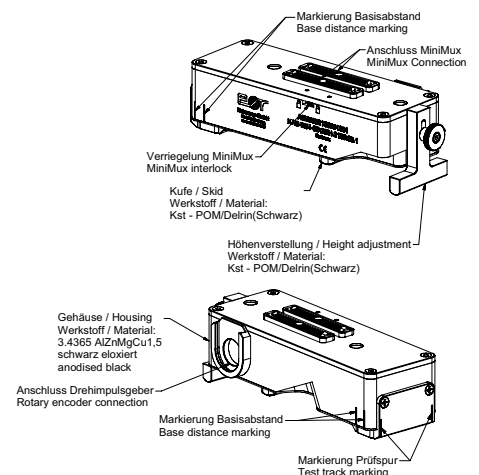
Manual surface inspection. Used, for example, on surfaces to detect small surface defects (e.g., cracks).

On flat or curved surfaces sensor array with 62 probes, Effective width of 29 cm.



Array-Sensor KAB-75/4-62-29/H-2188.05.1 Schematic drawing

A0M9952188001051

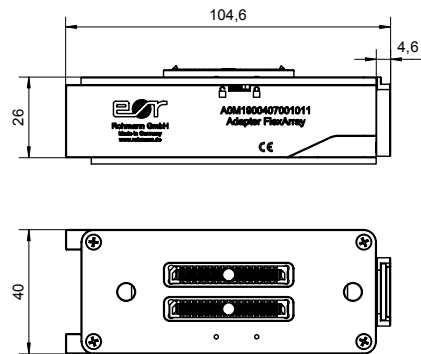




Flex-Array probe for inspecting curved or rounded surfaces.

Adapter für Flex-Array Sensor Schematic drawing

AOM1900407001011



FLEX-ARRAY PROBE

APPLICATION

Manual near-surface inspection to detect surface defects or corrosion on convex or concave surfaces (variable geometry).

The array sensors and Flex-Array probes shown here as examples are available in different versions (see table on reverse side). Custom geometries are also available.

For more detailed information, request a data sheet for the respective sensors or send us an inquiry to: sales@rohmann.de

Special features of our array probes

1 MULTIPLEXER – MANY ARRAYS

A single multiplexer can be operated with different arrays.

COMPACT DESIGN

The probe fits comfortably in the hand and can be guided safely – even with the cable connected.

2 LASERENCODER

Two 2D laser encoders integrated into the array probe. A rotary encoder can also be mounted.

Simply upload the configuration to the ELOTEST M6 – and the probe is ready for use.

PLUG & PLAY

ARRAY-PROBES

Technical data

ITEM	PART NUMBER	DESCRIPTION	TECHNICAL DATA
1	A0M1900105001011	Multiplex unit for connecting flexible and fixed array probes with up to 64 sensor elements	Frequency range: 10Hz – 12 MHz freely programmable for pitch catch / bridge
RIGID ARRAYS			
2	A0M9952188001051	KAB-75/4-62-29/H-2188.051, High-resolution HF array probe, transverse Frequency range: 100kHz - 2MHz, Sensor elements: 62 (4 rows)	Operating mode: Bridge, effective probe width: 1 mm Base spacing: 5 mm, array track width: 29 mm
3	A0M9952188001071	KA-75/4-62-29/H-2188.071, High-resolution HF array probe, transverse Frequency range: 100kHz - 2MHz, Sensor elements: 62 (4 rows)	Operating mode: Pitch-Catch, effective probe width: 1 mm Base spacing: 5 mm, track width of array: 29 mm
4	A0M9952190001011	KASB-55/2-31-69/H-2190, LF array probe, longitudinal Frequency range: 10kHz - 500kHz, sensor elements 31 (2 rows 16/15)	Operating mode: Bridge, effective probe width: 3 mm Base spacing: 4 mm, array track width: 69 mm
5	A0M9952190001021	KAS-55/2-31-69/H-2190.021, LF array probe, longitudinal Frequency range: 10kHz - 500kHz, sensor elements 31 (2 rows 16/15)	Operating mode: Pitch-Catch, effective probe width: 3 mm Base spacing: 4 mm, track width of array: 69 mm
6	A0M9952199001011	PKA-56/2-34-121/H-2199, LF array probe, longitudinal Frequency range: 2kHz - 100kHz, sensor elements 34 (2 rows 17/17)	Operating mode: Pitch-Catch, effective probe width: 7 mm Base spacing: 6.4 mm, track width of array: 121 mm
7	A0M9952199001021	KAS-55/2L-54-122/H-2199.021, LF array probe, longitudinal Frequency range: 5kHz - 300kHz, sensor elements 54 (2 rows 27/27)	Operating mode: Pitch-Catch, effective probe width: 4.5mm Base spacing: 8.9 mm, track width of array: 122 mm
8	A0M9952199001031	KAS-55/2-54-122/H-2199.031, LF array probe, longitudinal Frequency range: 5kHz - 300kHz, sensor elements 54 (2 rows 27/27)	Operating mode: Pitch-Catch, effective probe width: 4.5 mm Base spacing: 4 mm, track width of array: 122 mm
FLEXIBLE ARRAYS			
9	A0M1900407001011	Adapter for connecting probe carriers and flexible array probes with up to 64 sensor elements to the Mini Mux 64	Operating mode: Bridge mode
10	A0M9952189001011	LA-41/2-62-102/H-2189, HF Flex Array with sensor carrier Frequency range: 500kHz-3MHz, sensor elements 62 (2 rows 31/31)	Operating mode: Bridge, effective probe width: 2 mm Base spacing: 2.9 mm, array track width: 102 mm
11	A0M9952189001051	LA-40/2-31-83/H-2189.051, HF Flex Array with sensor carrier Frequency range: 500kHz-3MHz, sensor elements 31 (2 rows 16/15)	Operating mode: Bridge, effective probe width: 3 mm Base spacing: 4.8 mm, array track width: 83 mm
12	A0M1900408001011	Adapter for connecting probe carriers and flexible array probes with up to 64 sensor elements to the Mini Mux 64	Operating mode: Pitch Catch
13	A0M9952189001021	LA-40/2L-31-83/H-2189.021, HF Flex Array with sensor carrier Frequency range: 500kHz-3MHz, sensor elements 31 (2 rows 16/15)	Operating mode: Pitch Catch, probe width: 3 mm Base spacing: 10.7 mm, track width of array: 83 mm
14	A0M9952189001061	LA-41/2L-62-102/H-2189.061, HF Flex Array with sensor carrier Frequency range: 500kHz-3MHz, sensor elements 62 (2 rows 31/31)	Operating mode: Pitch Catch, effective probe width: 2 mm Base distance: 6.5 mm, track width of array: 102 mm
ACCESSORIES			
15	A0M1950107001011	Rotary encoder for array sensors	Suitable for rigid and flexible arrays
16	A0MW070000074011	RK-2-074	M6 sensor cable for rotor and external multiplex with array probes, Fischer16M104 - Fischer16M104



ACCESSOIRES

Rotary encoder

A0M1950107001011



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