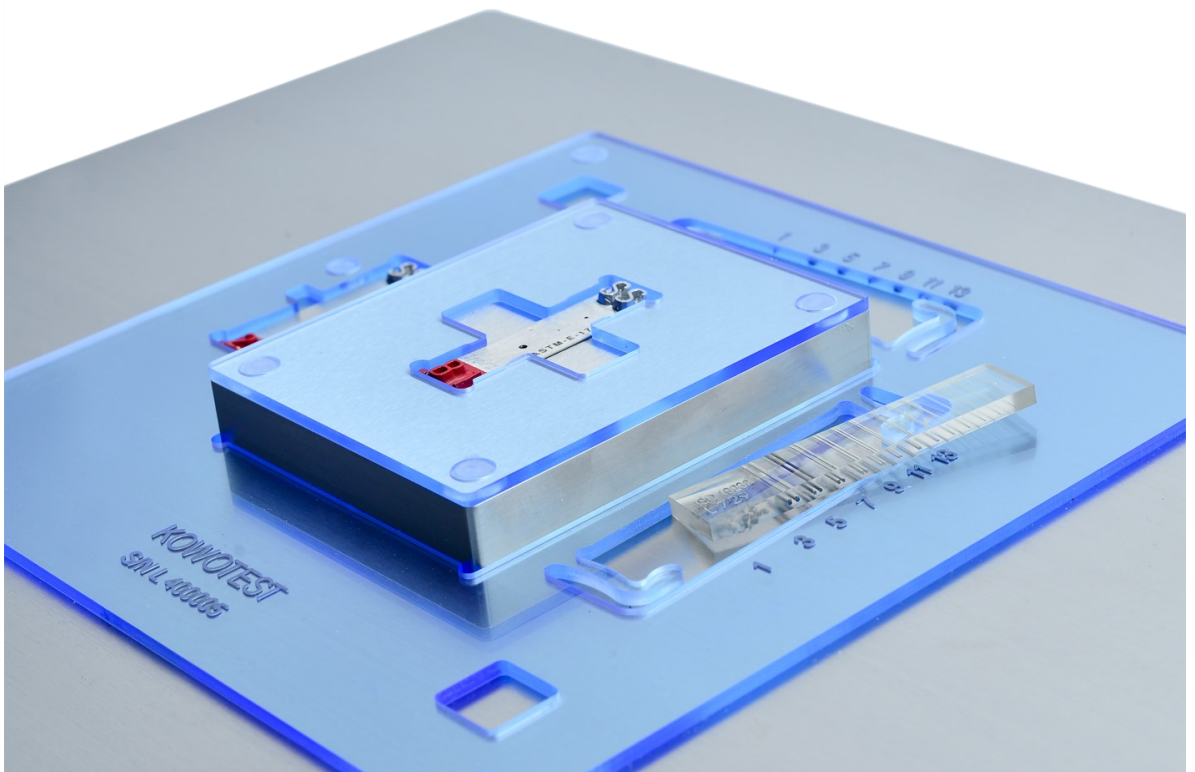


Duplex Plate Phantom

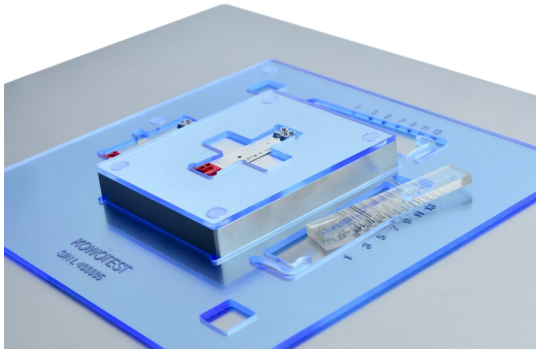
Duplex Plate Phantom Heavy Metal - HM Light Metal - LM according to ASTM E2737



Duplex Plate Phantom Type 2
for Performance Evaluation
and Long-Term-Stability Tests of DDAs

Test Phantom for Long-Term Stability Tests of DDA Systems (DR)

The Type 2 Duplex Plate Phantom enables to test relevant parameters of DDA systems like Basic Spatial Resolution, Contrast Sensitivity, SNR and Signal Level for initial performance evaluation and long-term stability. These test required and described in detail in ASTM E2737 have to be performed periodically for checking process control and lang-term stability.



Specification:

IQI, Gauge

- A** Base Plate - thin
- B** Top Plate - thick
- C** Hole Type IQI - .SS 25 / AL .50
- D** Hole Type IQI - SS .81 / AL 2.0
- E** ROIs - Thin Plate
- F** ROIs - Thick Plate
- G** Duplex Wire Type IQI

Dimensions:

Test, Check

- HM 5 mm / LM 12 mm
 - HM 15 mm / LM 38 mm
 - Contrast Sensitivity (edge or hole)
 - Contrast Sensitivity (edge or hole)
 - Signal to Noise Ratio, Signal Level
 - Signal to Noise Ratio, Signal Level
 - Basic Spatial Resolution, Unsharpness
- 400 x 300 x 15 / 38 mm
15.75 x 11.81 x 0.59 / 1.50 inch

Advantages of Type 2 compared to Type 1 Duplex Plate Phantom

Hole Type IQI on top plate is located in the center of the plate:

Low scatter radiation and much lower gradient on the IQI for improved repeatability of contrast sensitivity tests

Free areas beside long side of the Hole Type IQI:

Allowing contrast sensitivity evaluation also at the edge of the IQI improved repeatability compared to evaluation at the holes of IQI

Region of Interest (ROI) on top plate close to Hole Type IQI:

Lowest gradient in ROI for improved repeatability on SNR and Signal Level tests

Cut-outs in plastics for ROIs:

ROIs clearly visible on the X-ray image. Easier evaluation

Two Duplex Wire Type IQIs can be inserted:

Portrait and landscape axis can be evaluated in one image

Duplex Wire Type IQIs can be removed:

Use for other applications possible

Scope of Supply:

Duplex Plate Phantom Type 2 Heavy Metal (HM) in wooden case

Complete with Hole Type IQI ASTM E1742 - SS size .25 and .81
Test Certificates, Declaration of Conformity

Duplex Plate Phantom Type 2 Light Metal (LM) in wooden case

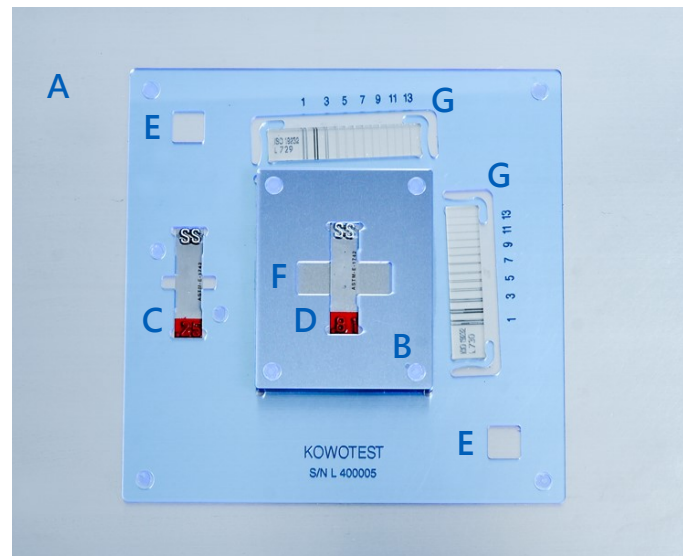
Complete with Hole Type IQI ASTM E1742 - AL size .50 and 2.0
Test Certificates, Declaration of Conformity

Optional :

Holder for Duplex Plate Phantom Type 2, stainless steel
for clamping and easy positioning of both versions - HM and LM

Duplex Wire Type IQI acc. to ASTM E2002, ISO 13232-5 - D13

Duplex Wire Type IQIs not included but required.



Article No.: 11 00177

Article No.: 11 00178

Article No.: 11 00179

Article No.: 11 00155

