

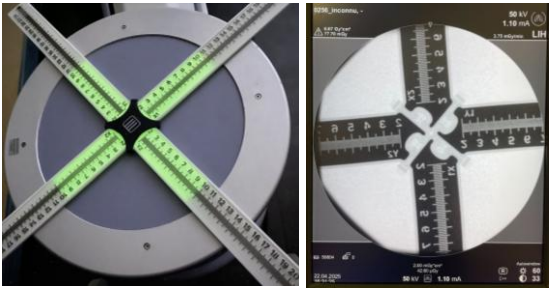
USER GUIDE

SUITABLE FOR **ALL IMAGING MODALITIES**

THANKS TO THEIR **RADIOPAQUE** AND **SCINTILLATING** PROPERTIES, **REACT** RULERS ARE PERFECT FOR CONTROLLING X-RAY FIELD SIZE ¹WITH **MILLIMETRIC** ACCURACY.

GETTING STARTED

- Place the rulers on the detector
- Set up the tripod and smartphone
- Start irradiation and take a photo or video
- Read the size on picture
- Save proof via mobile app



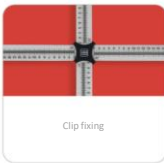
STEP 1

ASSEMBLY

The **REACT** tool is a set of 4 rulers to be assembled crosswise.

The pieces fit together like a jigsaw puzzle.

The fixing clip reinforces this assembly



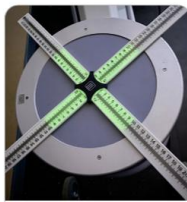
STEP 2

LIGHTING ADJUSTMENT

Choose a dark environment to see the scintillation better.

Turn off the light and close the blinds if possible.

These recommendations are all the more valid if you carry out controls on low-radiation devices.



¹ In accordance with local regulations.

SAVE TIME

PROTECT USERS

ECO-FRIENDLY



STEP 3
SMARTPHONE POSITIONING


Setup example

For obvious radiation protection reasons, we strongly advise you to move away from the device during irradiation.

Attach the smartphone, on a bracket or directly on the imaging device, close to the rulers using the flexible tripod

We recommend to use the bluetooth remote control to take your photos.


STEP 4
CAMERA SETTINGS
PHOTO MODE

Use the self-timer or the supplied bluetooth remote control. Give priority to photography for low dose irradiations.

VIDEO MODE

Start the video before irradiation and select the desired image afterward.

Focus the camera on the rulers. The night mode provides a better rendering in low light conditions. If you don't have it on your camera, you can increase ISO sensitivity or exposure time.

The **REACT** app offers this type of shooting settings.

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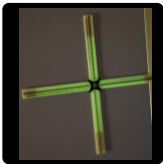

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STEP 5 **APPLICATIONS**

Recommendations for scintillation visualisation and image display for imaging modalities. Indicated values for Voltage / Current / SDD¹.

**RADIOGRAPHIC TABLE
SUSPENSION**

Min: 50 kV / 1mAs / 100 cm
Recommended: 50 kV / 6 mAs /
100 cm / video



MOBILE C-ARM

Min: 50 kV / 1,3 mA / 100 cm
Recommended: 70 kV / 2,5 mA /
100 cm / photo



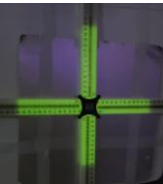
MINI C-ARM

Min: 60 kV / 100 µA / 45 cm
Recommended: 70 kV / 135 µA /
45 cm / photo



INTERVENTIONAL ROOM

Min: 60 kV / 5 mA / 130 cm
Recommended: auto mode
(approx. 90 kV / 10 mA / 130 cm) /
video



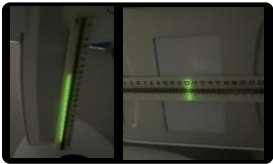
CT SCAN

Min: min. CT parameters
Recommended: usual clinical protocol
(approx. 120 kV / 50 mA) / isocenter / video



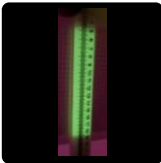
DENTAL PANORAMIC – 2D

Min: 60 kV / 1 mA / 55 cm
Recommended: usual
clinical protocol (approx 70
kV / 8 mA) / 55 cm / video



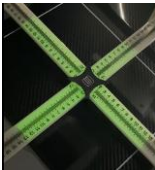
DENTAL CBCT – 3D

Min: 60 kV / 1 mA / 55 cm
Recommended: usual
clinical protocol (approx. 90
kV / 2,5 mA) / 55 cm / video



MAMMOGRAPHE

Min: 25 kV / 4 mAs / 65 cm
Recommended: usual
clinical protocol (approx. 30
kV / 25 mAs) / video



¹ SDD : Source to Detector Distance

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TIPS

Tip no. 1: A 1 second shoot is all it takes to complete your control.

Tip no. 2: If the manual mode is not available on the device, a lead or copper plate can be placed between the rulers and the detector plate in order to boost the irradiating parameters while protecting the detector (e.g. interventional room). This is particularly useful if you can't have low light room conditions.

Tip no. 3: REACT rulers can be used to visualize overranging on a CT scanner. Place a ruler on the CT table and perform a 20 cm helical scan centered on it.

RECOMMENDATIONS**TRANSPORT**

Disassemble after use and store the kit in the hard case supplied.

STORAGE

Store in a clean, dry, temperate environment

Do not expose to direct sunlight

Don't leave the rulers in a car in the sun

USE

Don't bend the rulers

Carefully read the user guide

Non-consumable material

CONTACT

If you have any questions, please do not hesitate to contact our technical department: support@fibermetrix.fr

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