

# FOMATEST SC 981

Test strip for process monitoring intended for a complete range of speeds FOMA industrial X-ray films.

## Features

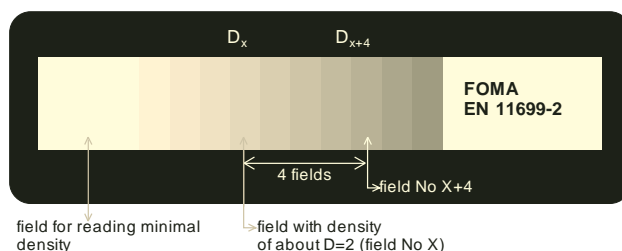
FOMATEST SC 981 is a pre-exposed test film strip designed for monitoring the quality of processing of INDUX radiographic films, in accordance with the requirements for classified film systems to EN 11699-2 standard. It helps to monitor and optimize the processing system, to indicate the proper time for baths exchange or processor adjustment.

## Packaging

Boxes of 25 sheets of daylight packaging: test strips are exposed on INDUX film, size 6 x 24cm, and supplied as one-sheet, vacuum – sealed, lead screen containing FOMAPAK packages.

## Test film exposure

To make a FOMATEST SC 981 test strips, a control pattern is X-ray exposed at INDUX film. The test pattern consists of 10 fields with stepwise increasing exposure, completed by an area for minimum density reading and a space for sample identification data.



## Application

### 1. Proof of standard processing according to EN 11699-2

Classification of a film system into C1–C6 classes according to EN 11699-1 anticipates a standard processing quality. If a proof should be presented to a customer that a given film series has been classified correctly according to EN 11699-1 by an NDT workstation, it is necessary to check the processing quality by Fomatest SC 981 before and after the series. This test allows for measuring and evaluation of minimum density  $D_{min}$ , speed index  $S_x$  and contrast index  $C_x$ . If these sensitometric characteristics before and after processing of the series keep within the tolerated limits, the whole series is considered as satisfactory. The procedure of proofing is specified by EN 11699-2.

### 2. Control and diagnostics of processing

FOMATEST SC 981 test strips are processed in regular intervals in a given processing system. Values of minimum density, speed index and gradient index are evaluated from the test strip by means of a densitometer. As reference data, the test results are used that were measured and recorded at the beginning of the whole series, usually in fresh processing solutions. During regular monitoring of the process, the measured test strip speed and contrast index should not exceed the tolerable deviations from the reference data. In a chart, monitored values are plotted against time. If all parameters are within the tolerated limits, the process is considered satisfactory. More detailed instructions for use are attached.

## Darkroom illumination

SC 981 test strips are handled and processed in the same way as other films of INDUX series, i.e. at yellow safety illumination with wavelength of 590 nm. The distance of the processed material from the illumination source should be tested.

## Processing

Test strips are designed for monitoring and control of any process used by a customer. Processing parameters are those commonly used by a customer, usually as recommended by the processing baths manufacturer. Processing based on other than FOMADUX baths may be also monitored by SC 981 test strips.

## Storage

Unprocessed tests should be stored in the original packaging at the temperature not exceeding 25 °C, out of reach of harmful fumes and ionizing radiation.

Life time of unprocessed tests is 12 months.

Information according to Article 33 of REACH: The product INDUX contains lead. This substance is included in the list of substances (for possible inclusion in Annex XIV). After handling, hygiene rules must be followed. More information at [www.foma.cz](http://www.foma.cz)

The product has been produced and marketed in conformity with a quality system according to the international standard ISO 9001.