



## Classification of KODAK INDUSTREX ACR-2000 and ACR-2000i Digital Systems With KODAK INDUSTREX Flex GP Digital Imaging Plate SO-170

Manufactured by

Eastman Kodak Company  
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Rochester, NY 14650-0505

This is to certify that the KODAK INDUSTREX ACR-2000 and ACR-2000i Digital Systems, when used with the KODAK INDUSTREX Flex GP Digital Imaging Plate SO-170, meet the requirements of the highest system class IP 1/100 according to EN 14784-1 and IP Special/100 according to ASTM E 2446 for industrial computed radiography with phosphor imaging plates for non-destructive testing, if the exposure dose is at minimum 1.53 mGy. This dose corresponds to a CEN-Speed and ISO-Speed of 640 at a pixel size of 87  $\mu\text{m}$ . The achievable basic spatial resolution is 100  $\mu\text{m}$ . Other system classes (CEN: IP 2/100 to IP 6/100; ASTM: IP I/100 to IP III/100) can be achieved with lower exposure dose values.

The table below shows the minimum (logarithmic) pixel intensities required for each system class, as they appear in the KODAK INDUSTREX Digital Viewing Software, V1.5 and higher. These values pertain to the area of interest in the computed radiograph.

ASTM System Class ASTM E 2446	CEN System Class EN 14784-1	Minimum SNR	Minimum (INDUSTREX System) Pixel Intensity	ISO/CEN Speed	System Parameters
ASTM IP Special/100	IP 1/100	130	2139	640	High dose setting, Gain 128 Resolution 365 PPI BSR = 100 microns Exposure per ASTM E 2446
	IP 2/100	117	1938	1000	
	IP 3/100	78	1337	4000	
ASTM IP I/100	IP 4/100	65	1136	6300	
ASTM IP II/100	IP 5/100	52	936	10000	
ASTM IP III/100	IP 6/100	43	797	12500	

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