

Qualit-X *Film Processor* *Quality Assurance*

A Complete X-ray Film Processing Quality Assurance Kit



**High Quality, High Accuracy
Sensitometer, Densitometer
& Thermometer**

Xograph
IMAGING SYSTEMS

All the instruments you need to carry out a film processor quality assurance programme

The **Qualit-X Kit** is a complete set of high quality instruments for carrying out an x-ray film processor quality assurance programme. The kit includes a densitometer, a sensitometer and a digital thermometer. If required, these instruments may be purchased individually, however, the complete kit offers tremendous value for money. In addition to its use in quality assurance, the **Qualit-X Kit** is also very useful when carrying out comparisons of film speeds or intensifying screen speeds and is a useful tool for x-ray equipment and film processor engineers.

The kit is supplied in a light sturdy plastic carrying case, all instruments ready to use complete with batteries.

The DIGIT-X DENSITOMETER

The **Digit-X** is a unique hand-held transmission densitometer combining ease of use with high accuracy and repeatability. The fine fibre-optic probe allows small areas of film to be measured accurately with readings being displayed on the large clear LCD panel to 2 decimal places. Battery power means that the **Digit-X** is not limited in its areas of operation and it's so light - just 175g - that carrying it from place to place is extremely practical.



Backlit Version Display

Battery usage is minimal and a low battery warning indicator is provided on the digital display. A version is available with an illuminated display.

The SENSIT-X' SENSITOMETER

The **Sensit-X** sensitometer is an easy to use 21 step sensitometer for use with most types of x-ray film. Battery operated with automatic On/Off switching, the **Sensit-X** will produce a consistent 21 step grey scale image ('stepwedge film') with high reproducibility. An electronic feedback circuit compensates for changes in battery output and will prevent exposure if the output drops too low, so preventing any inconsistent results being produced. A switch is provided to select between an exposure for blue sensitive film or for green sensitive film. In the darkroom, a blue or green exposure can be distinguished by a different type of audible bleep.

The DIGITAL THERMOMETER

A stick-type digital thermometer completes the **Qualit-X Kit**. The thermometer has a corrosion proof stainless steel probe that is protected when not in use by a plastic sheath. The large digital display gives readings to one decimal place and a button allows either an instant readout or an averaged readout over a 10 second sampling period.



Complete Qualit-X Kit

Kit Specifications

Digit-X Densitometer

Density Range:	0.00 - 4.000D
Fibre Optic Aperture:	3mm
Resolution:	0.010D
Accuracy:	0.050D
Repeatability:	0.020D
Drift:	0.0005/min.
Power Supply:	9v PP3 battery
Battery Life:	Alkaline 2500Hrs
Battery Life*:	Alkaline 250Hrs
Size:	210x60x40mm
Weight:	175g

Sensit-X Sensitometer

Light Source:	Electro-luminescent max. 455nm
Exposure Field:	21 Steps of 5x10mm
Power Supply:	9v PP3 Battery
Battery Life:	Alkaline 1500Hrs
Size:	190x140x80mm
Weight:	900g

* Backlit Version

Digital Thermometer

Temp. Range:	-10°C to +110°C
Accuracy:	0.1°C
Power Supply:	1.55v Button Cell
Battery Life:	Approx. 1 Year
Size:	223x25x16mm
Probe Length:	140mm
Weight:	40g

Qualit-X Kit

Weight:	3.5Kg
Size:	300x320x110mm

