

**100% Swiss**

The highest in Quality & Technology



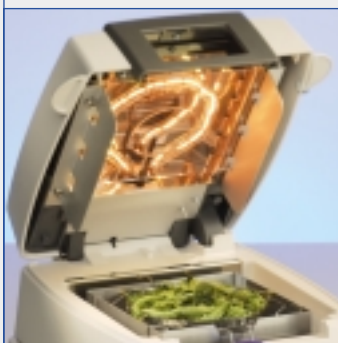
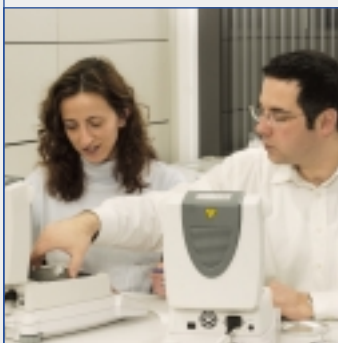
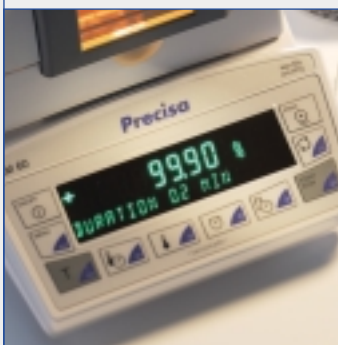
## *Moisture Analysers*

# ***XM60/XM66/XM120***

- *Precisa – World leader in thermo-gravimetric equipment*
- *Moisture analysis using state-of-the-art weighing technology*
- *A choice of heat sources*
- *Language independent user guidance*
- *Touch-screen control*
- *Rugged design*
- *Wide selection of control options to obtain perfect results every time*
- *Application development and support by inhouse experts*

**Precisa**

■ The Balance of Quality ■



### ***XM60 Moisture Analyser***

- *The entry level instrument in Precisa's range of moisture analyzers*
- *Developed for users with highest requirements*

### **The versatile all-round moisture determination solution**

- Sturdy construction, perfect for all laboratory and production environments
- Weighing technology which meets all international metrological regulations
- Weighing range 124 g / readability of balance 1 mg
- High temperature range of 230 °C, temperature increments 1 °C, results displayed to 0.01%
- Practical construction to enable easy cleaning
- High contrast, bright vacuum fluorescent display
- Method memory storage
- RS232 interface

### **Simple, fast and accurate**

- Variety of start-up and end-point control selections for optimum control of sample treatment
- Language independent prompts operated by symbol keys
- Easy access sample holder

### **Quality Assurance**

- Results displayed in GLP guideline format. Numerical and statistical analysis available
- Real-time results shown in display
- Download latest software through the internet

### **Food industry**

- Special dark infra-red version without glass is available for the food industry



## ***XM66 Moisture Analyser***

- *Rapid moisture results for sewage and waste-water treatment plants*

### **Increased weighing range of 310 g**

- The increased weighing range enables both the use of heavier tare vessels and greater specimen quantities.

### **Ash and residue calculation**

- The XM66 offers the option to store four weighing results, making it possible to calculate the ash and residue, after ashing of the specimen has been completed using another machine or by hand.

### **Five methods for optimized moisture analysis**

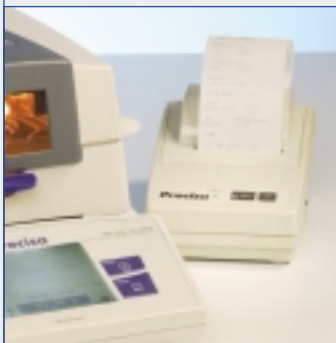
- Two methods which can be freely defined (1 interval);  
three fixed methods, specially developed to analyse the moisture content of sewage sludge with 1, 2 or 3 drying intervals:

<b>Method</b>	<b>105</b>	<b>150/105</b>	<b>220/150/105</b>
Interval 1			
Temperature	105 °C	150 °C	220 °C
Stop mode	10 d/60 s	20%	30%
Interval 2			
Temperature		105 °C	150 °C
Stop mode		10 d/60 s	20%
Interval 3			
Temperature			105 °C
Stop mode			10 d/60 s



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### ***XM120 Moisture Analyzer***

- *Developed for users with highest requirements and a wide range of samples*
- *High end instrument, conforming to the most stringent international standards*
- *Fastest sample throughput with optimum precision analysis*

#### **Top quality technology**

- Weighing technology which meets all international metrological regulations
- Weighing range 124 g / readability of balance 1 mg
- High temperature range up to 230 °C, temperature increments of 1 °C, results displayed to 0.01%
- 3.4" VGA touch-screen graphic display, back-lit
- Graphic print-out (RS232 interface)
- Extended method memory capacity
- Choice of radiation heat source: halogen, quartz infra-red, dark infra-red

#### **Simple controls**

- Icon driven user guidance
- Variety of start-up and end-point control selections
- Three-phase drying for total control
- Easy access sample holder
- Practical construction to enable easy cleaning

#### **Quality Assurance**

- Results displayed in GLP guideline format. Numerical and statistical analysis available
- Real-time results shown in graphic display
- Download latest software through the internet

#### **Food industry**

- Special dark infra-red version without glass is available for applications in the food industry

# Technical Data Moisture Analysers

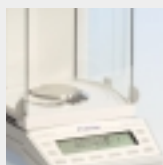
Specification	XM120	XM60	XM66
Heat source:			
Radiator type	Halogen / Infra-red quartz rod / Dark	Halogen / Dark	Halogen / Dark
Radiator can be exchanged in the field	✓	-	-
Weighing system:			
Weighing range [g]	124	124	310
Minimum sample weight [g]	0.2	0.2	0.2
Readability [g]	0.001	0.001	0.001
Drying:			
Readability [%]	0.01	0.01	0.01
Reproducibility [%]:			
- in approx. ... g / ... %	1 / 0.2	1 / 0.2	1 / 0.2
- in approx. ... g / ... %	10 / 0.02	10 / 0.02	10 / 0.02
Result calculations:			
100% ... 0%	✓	✓	✓
0% ... 100%	✓	✓	✓
ATRO 100% ... 999%	✓	✓	✓
ATRO 0% ... 999%	✓	✓	✓
g/kg	✓	✓	✓
Residual weight [g]	✓	✓	✓
Weight loss [g]	✓	✓	✓
Heating:			
Temperature range / increment [°C]	30 - 230 / 1	30 - 230 / 1	30 - 230 / 1
Intervals	3	boost + 1	boost + 1
Switch-off interval [min.]	0.1 - 99.9	-	-
Switch-off interval [%]	0.1 - 99.9	-	-
Switch-off criteria:			
Auto stop [d/s]	freely definable	freely definable	5 Fix, 1 freely definable
Auto stop [%/s]	freely definable	freely definable	-
Timer stop [min.]	0.1 - 240	0.1 - 240	0.1 - 240
Minimum stop [%]	0.1 - 99.9	-	-
Adapt stop	✓	✓	✓
Sequence control system:			
Fully automatic	✓	✓	✓
Semi-automatic	✓	✓	✓
Standby temperature [°C]	30 - 100	30 - 100	30 - 100
Monitoring:			
Inspection window	✓	✓	✓
Buzzer	✓	✓	✓
Print-out:			
GLP	✓	✓	✓
Print-out interval [Min.]	0.1 - 10.0	0.1 - 10.0	0.1 - 10.0
User texts	✓	-	-
Freely definable formats	✓	-	-
Sample numbering	✓	✓	✓
Memory capacity:			
Methods (with all settings)	50	20	2 + 3 Fix
User texts	20	-	-
Operation:			
Display	graphics, LCD back-lit	VFD 20 characters, alphanumerical	VFD 20 characters, alphanumerical
Keyboard	various keys and a touch screen	10 keys	10 keys
Menu-controlled	✓	✓	✓
Sample feed	manual	manual	manual
Password protection	✓	✓	✓
Special features:			
Weighing-in guidance	✓	✓	✓
Statistics	✓	✓	-
Remote control (heating)	✓	✓	✓
Ash residue	✓	✓	✓
Calibration:			
Balance	external	external	external
Temperature	100 °C and 160 °C	100 °C and 160 °C	100 °C and 160 °C
Miscellaneous:			
Clock for date and time	✓	✓	✓
PC / printer interface	RS232	RS232	RS232
Digital I / O	optional	optional	optional
Anti-theft protection	code and mechanical	code and mechanical	code and mechanical

Subject to technical alterations.

2-year warranty – worldwide.

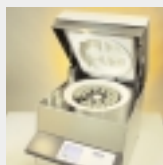


## *The world of Precisa.*



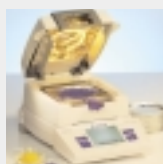
### ***Semi-micro, analytical, precision balances and industrial scales***

Precisa is traditionally strong in weighing technology. We offer a combination of high technology, a variety of important features and an attractive price. Our products are unmatched in terms of their compact design, response speed and innovative features.



### ***Moisture analysis and ashing***

Precisa is the only manufacturer to combine the two areas of moisture analysis and ashing in a touch screen controlled stand-alone unit.



### ***Sample preparation***

Precisa offers a wide selection of products for the complete process of sample preparation. Precisa technologies offer the benefits of user-friendly controls and huge savings in time and cost.



### ***Service and support***

With our own dedicated laboratories, we can offer our customers the fullest support in applications and method development. Precisa products are distributed throughout more than 90 countries by our authorised, factory trained service partners.

# **Precisa**

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