

# Which Model is Best Suited for the Application?

## Quick Reference

Qualifier	MB23	MB32	MB62	MB92	MB120
Sample Moisture	Up to 100% High Moisture (>30%) Low Moisture (2% - 30%)	Up to 100% High Moisture (>30%) Low Moisture (2% - 30%)	Up to 100% High Moisture (>30%) Low Moisture (2% - 30%)	Up to 100% High Moisture (>30%) Low Moisture (2% - 30%) Very Low Moisture (<2%)	Up to 100% High Moisture (>30%) Low Moisture (2% - 30%) Very Low Moisture (<2%)
Repeatability	0.3% (3g sample) 0.2% (10g sample)	0.15% (3g sample) 0.02% (10g sample)	0.10% (3g sample) 0.018% (10g sample)	0.08% (3g sample) 0.015% (10g sample)	0.05% (3g sample) 0.015% (10g sample)
	3000 ppm (3g sample) 2000 ppm (10g sample)	1500 ppm (3g sample) 200 ppm (10g sample)	1000 ppm (3g sample) 180 ppm (10g sample)	800 ppm (3g sample) 150 ppm (10g sample)	500 ppm (3g sample) 150 ppm (10g sample)
Number of Sample Types	1 or 2	1 or 2	several	several	many
Program Storage	0	2	20	20	100
Results Storage	0	0	100	200	1000
GLP Headings	no	yes	yes	yes	yes
Password Protection	no	no	yes password protection for settings	yes password protection for settings	yes 4-level user management
Data Interfaces	RS-232	RS-232, USB device	RS-232, USB device	RS-232, USB device, ability to save on a flash drive	RS-232, USB device, ability to save on a flash drive
Glassless Design	yes	no	no	no	no
SmartGuide	no	no	no	no	yes

# Comparison Details - Performance

OHAUS Moisture Analyzers						
	MB120	MB92 (NEW)	MB62 (NEW)	MB32 (NEW)	MB23	
PERFORMANCE	Heating Element	halogen	carbon fiber	carbon fiber	carbon fiber	glassless infrared
	Capacity	120 g	90 g	90 g	90 g	110 g
	Readability	0.01% / 1 mg	0.01% / 1 mg	0.01% / 1 mg	0.01% / 1 mg	0.1% / 10 mg
	Repeatability (sd) (%)	0.05% (3g sample) 0.015% (10g sample)	0.08% (3g sample) 0.015% (10g sample)	0.10% (3g sample) 0.018% (10g sample)	0.15% (3g sample) 0.02% (10g sample)	0.3% (3g sample) 0.2% (10g sample)
	Repeatability (sd) (PPM)	500 ppm (3g sample) 150 ppm (10g sample)	800 ppm (3g sample) 150 ppm (10g sample)	1000 ppm (3g sample) 180 ppm (10g sample)	1500 ppm (3g sample) 200 ppm (10g sample)	3000 ppm (3g sample) 2000 ppm (10g sample)
	Drying Temperature	40°C - 230°C (1°C)	40°C - 200°C (1°C)	40°C - 200°C (1°C)	40°C - 180°C (1°C)	50°C - 160°C (5°C)
	Drying Profiles	Standard Fast Ramp Step	Standard Fast Ramp Step	Standard Fast Ramp Step	Standard Fast	Standard
	Switch-Off Criteria	Manual Timed Auto (A10 / A30 / A60 / A90 / A150) Auto (user defined mg/s) Auto (user defined %/s)	Manual Timed Auto (A10 / A30 / A60 / A90 / A150) Auto (user defined mg/s)	Manual Timed Auto (A10 / A30 / A60 / A90 / A150)	Manual Timed Auto (A30 / A60 / A90)	Manual Timed Auto (A60)

# Comparison Details - Features

		OHAUS Moisture Analyzers				
		MB120	MB92 (NEW)	MB62 (NEW)	MB32 (NEW)	MB23
FEATURES	Method Library	100	20	20	2	-
	Result Library	1000	200	100	-	-
	Screen	4.3" full color touchscreen	4.3" full color capacitive touch screen glass screen cover	120mm x 55mm LCD w/ dot matrix second line display	95mm x 45mm LCD w/ dot matrix second line display	Single line LCD
	Password Protection	Yes 4-level User Management (10 total)	Yes Password Protection for Settings	Yes Password Protection for Settings	-	-
	Connectivity	RS-232, USB device, USB host	RS-232, USB device, USB host	RS-232, USB device	RS-232, USB device	RS-232
	Other Functionality	<b>with SmartGuide</b> multi-language instruction guide result / method to USB flash drive GLP headings real time drying curve system back-up / restore last calibration record	multi-language instruction guide sample / product / batch ID result / methods to USB flash drive GLP headings real time drying curve system back-up / restore last calibration record	multi-language instruction guide drying stage indication curve GLP headings last calibration record	multi-language instruction guide drying stage indication curve GLP headings	glassless design