



metrondoo

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SmarT/SmarT SW



Easy handling

SmarT/SmarT SW[®] grain analysers are very easy to use for even a non-skilled average user: thanks to its hopper no sample preparation is needed and the analysis can be started by pressing a button on the large colour touchscreen of SmarT/SmarT SW[®].

Stability and reliability

Due to the applied measurement technology and robust calibrations the accuracy and repeatability of SmarT/Smart SW[®] grain analysers satisfy today's high requirements thus SmarT/Smart SW[®] is a reliable device on all application areas.

Internet connection

SmarT/SmarT SW[®] grain analysers can be connected and managed through the internet. With the client software to be installed to a PC you can read out the measurement data, statistics remotely and also you can upgrade the newest software versions and the calibrations of the devices from a remote location.

Calibrations

SmarT/SmarT SW[®] grain analysers are delivered with all available calibrations.

Specific weight module

SmarT SW[®] contains an additional hectoliter weight module too. The instrument can test the specific weight of wheat and barley: besides the common parameters of the crops you can get a reliable hectoliter weight result within the same analysis process.

Technical data:

Voltage:	88-264 VAC universal input
Power consumption:	35 VA .
Dimensions WxHxD:	290x270x420 mm
Weight:	10 kg Measuring time: 1 minute
Sensing area:	30 cm ²
Sample thickness:	Between 4 and 33mm (automatic)
Sample amount:	ca. 200 cm ³ (for wheat)
Operating temperature range:	10 – 45 0C
Optics:	Scanning grating monochromator with SBCS
Wavelength range:	790-1064 nm
Wavelength accuracy:	0,1 nm
Wavelength repeatability:	0,02 nm
Detector:	Si PIN diode
Light source:	Tungsten halogen lamp (12V/20W)
Handling interface:	Touch screen
Display:	7" color LCD, 800x480 pixels
Printer:	Thermal graphic panel printer
Ports:	USB 2.0 Host, LAN, WIFI
Computer and operation system:	COLIBRI T20 256MB V1.2A, Linux

Calibrations:

Wheat:	Moisture, protein, gluten, Zeleny-index, kg/hl
Barley:	Moisture, protein, kg/hl
Durum:	Moisture, protein, gluten
Rye:	Moisture, protein
Triticale:	Moisture, protein
Corn:	Moisture, protein, oil, starch, kg/hl
Rapeseed:	Moisture, oil
Soybean:	Moisture, protein, oil
Rice:	Moisture, protein
Wheat flour*:	o Moisture, o protein, o gluten, o ash
Semolina*:	o Moisture, o protein, o ash
Soymeal*:	o Moisture, o protein

Comment:

O: optional

*****: For wheat flour, soymeal and semolina cuvettes are needed.