

Profile Measuring Instrument MW 4420 / MW 4430

Moisture and Density Profiles of Cigarettes and Cigars



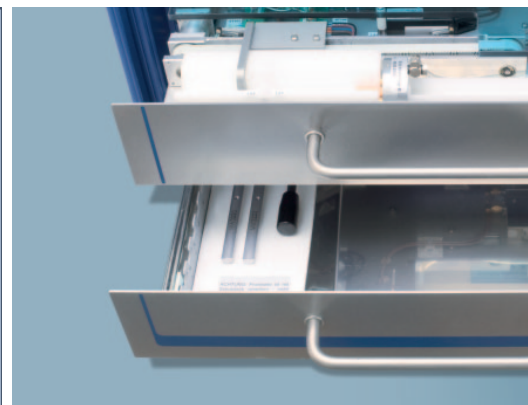
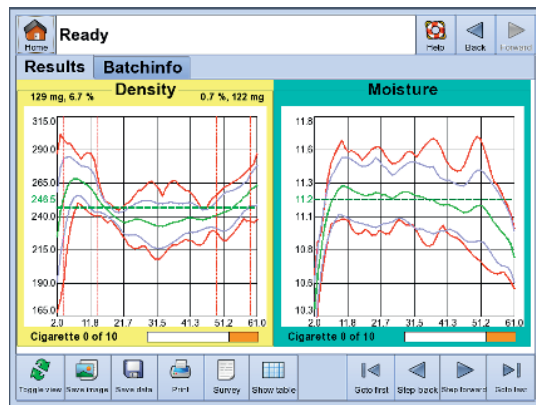
Quality and cut control

The MW 4420 measuring station with a hopper for moisture and density profiles of cigarettes, is ideal for controlling the quality of very many different cigarettes, whether with or without filters, filter-tipped, multifilter, etc.

The patented measuring technique allows accurate measuring of cigarette moisture and density regardless of the surface structure or color of the cigarette under analysis. The horizontal cigarette transport bar ensures perfect results, allowing the moisture and density profile of every cigarette brand to be calculated independently of each cigarette diameter. The MW 4430 measures cigars the same way.

Easy operation

The integrated color touch screen and its self-explanatory user interface allow the system to accurately keep track of results in conformity with ISO 9000. The following details are read and kept: time, date, cigar and cigarette brand and make as well as minimum, maximum and average moisture and density values.



Results as mean values, standard deviation, minimum and maximum are shown graphically as an output to the screen and printer. Data can be exported to an USB memory stick for further processing by external programs such as spreadsheets. The Ethernet port allows integration into enterprise network, as appropriate.

TECHNICAL DATA MW 4420 / MW 4430:

Measuring range	5 – 18%
Repeatability	0.05% (standard deviation based on 10 readings from the same sample)
Measuring speed	10 cigarettes per minute / 2 cigars per minute
Cigarette size	max. length: 144 mm, max. diameter: 9 mm
Cigar size	max. length: 280 mm, max. diameter: 22 mm
Data repository	SQL database
Features	hopper with a capacity for 100 cigarettes (only MW 4420), 10.4" (26,4 cm) TFT touch
Ambient temperature	0 – 40 °C
Interfaces	Ethernet, USB
Mains connection	(110 - 230) V / (50 - 60) Hz / 90 VA