

MoistureScan Ex II – Explosion Proof Online Moisture Measurement



The measuring system type MoistureScan Ex II is suitable for the determination of the water content in materials. The MoistureScan Ex II is a special version of the MoistureScan with all the same benefits, such as fast and precise measurement, of the standard type. The flange of the sensor is mounted inside the side wall of a bin. The product-lateral sensor surface may be established within zone 20 for highly combustible environments, which requires equipment of the category 1D. The remaining components of the measuring instrument are not explosionproof.

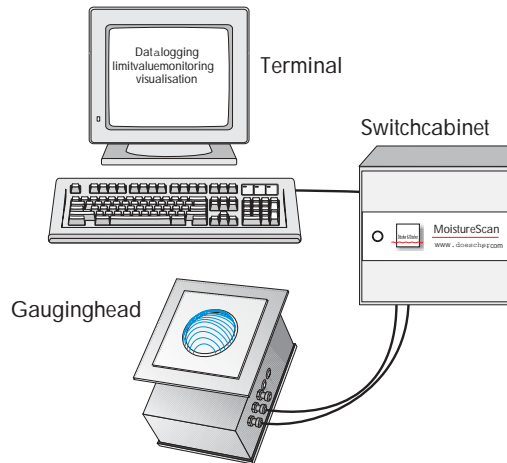
The MoistureScan Ex II fulfills the fundamental safety and health requirements for the design and fabrication of devices and protective systems to the intended use within explosive environments in accordance with appendix II of the guideline of the advice of the European

community of 23.3.1994 (94/9/EG). The fundamental safety and health requirements are fulfilled by agreement with EN 5028-1-1-1: 1998+A1 and EN1127-1: 1997.

Use of the product

- Precise moisture detection under extreme temperature conditions
- Maximal reproducibility and long-time stability
- Reliable performance supervision of dryers and roasters
- Reduction of rejection and objection costs
- Flexible integration and uncomplicated calibration

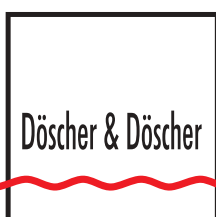
Components



Technical data

Measuring range:	subranges to select, depending on probe and product characteristics please ask for a product list
repeat accuracy:	1% of the final value of the selected measuring range (i.e. measuring range 0-10%: $\pm 0,1\%$ accuracy)
Measuring time:	up to 30 per second moving mean adjustable by software
Temperature	
- product:	0 - 140°C
- ambient:	0- 40 °C
Power supply:	24 VDC
Different products:	up to 50
Max data set:	200.000
Data storage:	hard disk drive
Interfaces:	
- serial:	RS 422 for connecting the terminal
- analog:	4 – 20 mA, moisture and temperature
- digital:	2 x In- and output
Size and weight	
- sensorhead:	225 mm x 225mm x 190 mm, weight 7,2 kg
- switch cabinet:	300 mm x 300 mm x 150 mm, weight 5,5 kg
Assembly:	Gasket between sensorhead and production unit has to be in accordance with the regulation of IP6X

Please refer to the installation manual
Technical data are subject to change



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