

Title (en)  
ASSEMBLY AND METHOD FOR MEASURING POURABLE PRODUCTS

Title (de)  
ANORDNUNG UND VERFAHREN ZUR MESSUNG VON SCHÜTTFÄHIGEN PRODUKTEN

Title (fr)  
SYSTÈME ET PROCÉDÉ POUR MESURER DES PRODUITS COULANTS

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Application  
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Abstract (en)  
[origin: WO2011076265A1] The invention relates to an assembly and method for cost-effective in-line NIR measurement, in particular for cost-effective in-line NIR measurement of ingredients, quality parameters or in general product characteristics of cereal grains, inter alia, and constituents thereof in product streams (3) in flour mills or animal feed mills or the like. Using at least one measuring probe (1), the reflection spectra are advantageously recorded on free-flowing product (3) in a flow tube and are transmitted to an evaluating device (2) disposed spatially separately therefrom and having an integrated spectrometer (12). The measured values determined by the evaluating device (2) are transmitted to a control unit (24) or to a management system (22), where they can be used for monitoring and/or regulating the processes or installations. In comparison to NIR systems used until now, the costs per measuring location can be greatly reduced by the simple product presentation and re-use of the evaluating device.

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