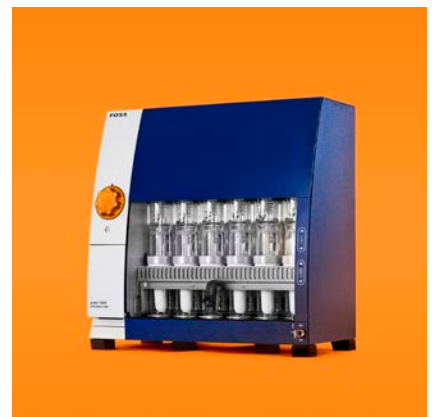


FOSS

FEED SOLUTIONS

THE COMPLETE PRODUCT RANGE



ANALYTICS BEYOND MEASURE

PRODUCT RANGE



NIRS™ DS2500 F

NIR analysis of feed with exceptional accuracy across a wavelength range of 850-2500 nm. Get the highest level of quality control with results in under a minute. Can be pre-calibrated with global data for most common feed types and ingredients. Customer data from older FOSS systems may be reused to build new calibrations

Sample type

Direct measurements of feed and forage samples in ground or unground form, for example direct measurement of pellets

Parameters

FOSS global calibrations include: fat, protein, moisture, ash, starch and Crude Fibre (CF) as well as Neutral Detergent Fibre (NDF) and Acid Detergent Fibre (ADF) for forages. You can develop additional calibrations for advanced parameters such as amino acids and digestibility



NIRS™ DA1650

This “easy to install and operate” solution gives instant improvements to product quality and production processes. Simple, versatile, portable and fully connected, this solution brings the power of everyday NIR analysis to everybody

Sample type

Direct measurements of feed and forage samples in ground or unground form, for example direct measurement of pellets

Parameters

FOSS global calibrations include: fat, protein, moisture, ash, starch and Crude Fibre (CF) as well as Neutral Detergent Fibre (NDF) and Acid Detergent Fibre (ADF) for forages



ProFoss™ 2 for feed

The ProFoss™ 2 feed solution offers continuous process optimisation through real-time measurements of main animal feed parameters, such as moisture, protein and fat. It also leverages all the latest development of digital technologies to seamlessly interface with NIR S DS2500 to deliver peak performance

Sample type

Feed raw materials and ingredients, feed mash, pellets, and final products in both compound feed and pet food

Parameters

Moisture, protein, fat, fibre



MycoFoss™

MycoFoss™ provides smarter management of mycotoxin risks. Make better decisions about when to safely accept raw material, segregate products or add toxin binders. MycoFoss requires no special skills - just place the sample cup with the grinded sample in the instrument and push start. The fully automated solution provides accurate results on up to 6 mycotoxins within a few minutes without the need of laborious procedures and hazardous materials

Sample type

Maize and wheat

Assay solution

Singleplex: Aflatoxins - AFLA (AFB1, AFB2, AFG1 and AFG2), Deoxynivalenol - DON

Multiplex: Deoxynivalenol – DON, Zearalenone – ZEA, Aflatoxins - AFLA (AFB1, AFB2, AFG1 and AFG2), Ochratoxin A – OTA, Trichothecene 2 - T-2, Fumonisinis - FUM (FB1, FB2 and FB3)



Fibertec™ 8000

Fibertec™ 8000 is a fully automated system for determination of crude fibre, detergent fibre and related parameters according to standard reference 'crucible' methods such as Weende, van Soest etc.

Sample type

Raw materials and finished products in feed and agriculture

Parameters

Crude fibre (CF), Neutral Detergent Fibre (NDF), amylase treated Neutral Detergent Fibre (aNDF), Acid Detergent Fibre (ADF), and Acid Detergent Lignin (ADL)



Soxtec™ Systems

FOSS Soxtec™ systems offer fast and safe fat analysis with varying levels of automation. The new Soxtec™ 8000 range, consisting of an extraction unit, a hydrolysis unit, and a single filter that is common to both units, allows you to perform acid hydrolysis and Soxhlet analysis in one integrated action

Sample type

Raw materials and finished products in feed and agriculture

Parameters

Crude fat, total fat and extractable matter



Kjeltec™ Systems

The Kjeltec™ 8000 series consists of three models: 8100, 8200, and 8400, for simple and safe distillations with different levels of automation. The Kjeltec 8400, in combination with 8420 or 8460 Autosampler and Tecator AutoLift Digestors, provides the ultimate in automated Kjeldahl analysis. Approved by AOAC and ISO.

Sample type

Raw materials and finished products in feed and agriculture

Parameters

Nitrogen, protein, non protein nitrogen (NPN) and volatiles (SO₂, TVBN and more)



Dumatec™ 8000

The fully automated Dumatec™ 8000 is based on the combustion principle for nitrogen determination and improves laboratory efficiency and productivity, making it the perfect choice for busy laboratories. Provides reliable and rapid results in just 3-5 minutes with instantaneous analysis of all resulting gases. The Dumatec is very reliable ensuring a high level of accuracy across a full range of calibrations. A rapid start up time of 30 minutes as well as high unattended operator time with the 117 position auto sampler, ensures high uptime.

Sample type

Raw materials and finished products, both in solid and liquid form, in food, feed and agriculture

Parameters

Nitrogen/protein.