

EyeFoss™

A new light on grain quality assessment



ANALYTICS BEYOND MEASURE

EyeFoss™ gives grain receivers the world's first objective assessment of visually assessed grain quality. It ensures consistent test results across the entire grain receival network while providing a practical way to handle more grain samples in less time.

Avoid mistakes with objective assessment

Assessment of 10,000 kernels in less than four minutes for common grain defects and foreign material allows you to avoid mistakes in grading and subsequent re-work downstream. The latest imaging technology coupled with advanced FOSS calibration techniques ensures accuracy and reliability, while standardised grain defect assessment makes grading and handling decisions simple and reliable.

Quality expertise captured for use anywhere anytime

Performance monitoring and full network capability via FossManager™ ensures consistent measurements across instruments and sites, providing online access to quality data and calibration improvements.

Cut costs with faster and more efficient grain handling

Fast processing helps to improve efficiency at grain receival, while continuous operation regardless of operator skill level cuts dependency on key individual skills. In addition to this, EyeFoss is robust enough to handle receival stand environments.

Sample types

Wheat, barley and durum

Parameters

Visually assessed parameters of damaged grain and foreign material, such as:

Wheat: sprouted, broken, fusarium, stained, frosted, contaminants (barley, rye, oats)

Barley: sprouted, broken, stained, contaminants (wheat, rye, oats), skinned, cleaved

Durum: sprouted, broken, fusarium, mitadine/hard vitreous kernels (HVK), stained/mottled, contaminants (bread-wheat, barley, rye, oats)

Technology

Image analysis

Specifications

Feature	Specification
Dimensions (w x h x d)	660 x 490 x 620 mm
Weight	50 kg
External fuses	T 4AL 250TP
Rated current	2.0 A (100 V) 0.8 A (240 V)
Power consumption	200 VA
Noise level	< 56 dB(A)
Power supply	100-240 V AC*), frequency 50-60 Hz, Class 1, earthed
Power cable	115V UL/CSA: C13 connector 10 A 125 V, UL/CSA approved 3 wire cable with protection ground SVT 18 AWG, UL/CSA approved 230V CE: C13 connector 10 A 250 V, CE/VDE/S approved 3 wire cable 0.75mm ² H 05 VV-F, CE/VDE/S approved
Ambient temperature	5-42 °C
Storage temperature	-20 °C to 70 °C
Ambient humidity	< 93 % RH
Operation	Indoor use
Altitude	Up to 2000 m
Transient over-voltage	According to category II
Pollution	Degree 2

*) Mains supply voltage fluctuations not exceeding ± 10 % of the rated voltage.

Instrument management	
Network services	FossManager™
Software	FossIntegrator