

University Analyzer Packages

University laboratories and public research institutions have a special place in the scientific community. Many times they are tasked with undertaking research that benefits the public but with less than optimal equipment and resources. Unity Scientific is a proud supplier to many of these institutions, with applications in environmental, agronomic, food quality, plant breeding and food safety areas, among others. In recognition and appreciation for the contribution these groups provide to Unity Scientific and the community as a whole, we have created University Packages specially designed to provide the flexible and robust analytical solutions required in these research environments at an economical price.



SpectraStar™

SpectraStar University Package

University laboratories are frequently charged with supporting NIR applications ranging from forages to oilseed or biofuel analysis, and thus must have flexible sampling and calibration options. The SpectraStar XT University package is a complete collection of hardware and software needed for investigating and supporting NIR reflectance applications of most sample types. Every component of the package was chosen to provide the maximum versatility and performance for the novice or advanced NIR researcher.

SpectraStar XT-R

The heart of the University package is the SpectraStar XT-R 680-2600 nm full range spectrometer, which covers the entire NIR spectral range for maximum versatility and performance. SpectraStar XT analyzers are based on pre-dispersive scanning monochromator technology for the highest performance in laboratory and at-line environments.

The SpectraStar XT incorporates TRUE NIR™ technologies including the highest grade commercially available optical components and dual stage ultra-cooled custom InGaAs detectors. TRUE NIR also specifies that all spectra collected are based on National Laboratory certified independent optical standards instead of a company specific master instrument, which provides a stable reference for matching instruments and guarantees the spectra to be future-proof against instrument model or design changes. The University package includes a complete selection of sample cells for easy analysis of solids, slurries and liquid materials.

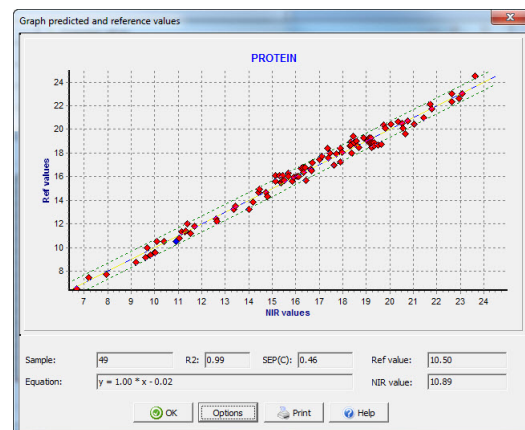


UCal Chemometric Package

The UCal software is a powerful software suite created and designed specifically for supporting NIR calibrations for natural products including food and agricultural applications. UCal includes sample management, calibration transfer, population structuring, regression development and validation programs to provide complete support for calibration development. Training for two researchers in our Milford, MA. headquarters is included in this package.

Ready to Use

The **Unity University Package** is a specially priced collection created in support of the research community. This package is designed to support almost any type of reflectance NIR measurement.



The University package includes the following:

- SpectraStar 2600 XT-R (680 nm - 2600 nm) with built in 17" touch screen, prediction software, multi-cup adapter, US-RTIR-0016 adapter ring, Unity check cell, Unity R99 standard
- Unity TAS standards for instrument alignment and performance validation
- UCal Calibration Software complete with training for two students
- US-RTCP-0300 Round forage cup with plunger
- US-LGOP-0001 Large open cup for unground materials
- US-SRCP-0025 Small round cup, 25 mm height
- Ring cup US-ISIH-0307 for analysis ground powders
- US-TSTD-0003 Gold Reflector Standard, 0.3 mm
- US-TSTD-0005 Gold Reflector Standard, 0.5 mm
- Spare lamp

Note: Customers must be an approved public or non-profit university or public laboratory to purchase University packages. Please contact your Unity Scientific account manager for more information.



Unity Scientific

113 Cedar Street | Milford, MA 01757 USA
 Phone: 203-740-2999 | Fax: 203-740-2955
 www.unityscientific.com | email: info@unityscientific.com

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