



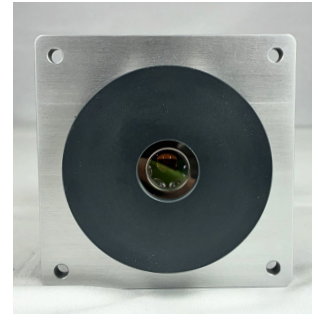
USTECH
INNOVATIONS

USTECH ProLine2550
A New Era of In-Line Material Analysis

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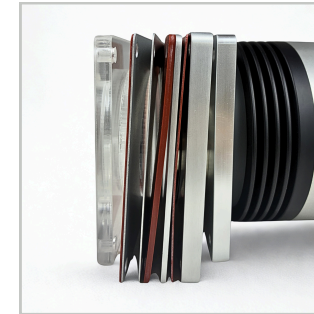
A New Era of In-Line Material Analysis

The USTECH ProLine 2550 is a cost-effective, high-performance in-line FT-NIR process analyzer designed to monitor material composition in real-time. By delivering precise insights directly from your production line, it empowers manufacturers to optimize processes, reduce waste, and ensure uncompromising quality across food, feed, and chemical applications without ever halting operations



Widest Spectral Range

Powered by an advanced FT-NIR spectrometer, the system stands out with an unprecedented spectral range of 1,350–2,550 nm. This full-range capability enables the simultaneous, high-accuracy detection of diverse critical parameters—such as moisture, protein, fat, and starch—ensuring consistent quality at every production stage



Seamless Process Integration

Say goodbye to complex infrastructure changes. The analyzer features a simplified installation process utilizing a specialized flange mounting kit designed for any flat chute with flowing materials. Manufacturers can quickly deploy the system with minimal disruption to operations and minimal installation costs

Measurement Time	Measurement Name	Method	Property(1)	Property(2)	Property(3)	Property(4)
1/26/2018 11:11	Sample1	CCPNA	7.75	2.45	10.00	1.00
1/26/2018 11:19	Sample2	CCPNA	7.98	2.48	10.04	1.12
1/26/2018 11:27	Sample3	CCPNA	8.15	2.50	10.07	0.93
1/26/2018 11:32	Sample4	CCPNA	8.40	2.54	10.00	0.97
1/26/2018 11:32	Sample5	CCPNA	8.60	2.55	10.00	1.10
1/26/2018 11:37	Sample6	CCPNA	8.63	2.56	10.00	1.03
1/26/2018 11:38	Sample7	CCPNA	8.71	2.76	10.00	1.07
1/26/2018 11:38	Sample8	CCPNA	8.87	3.05	10.00	1.04
1/26/2018 11:39	Sample9	CCPNA	8.95	2.88	10.00	1.17
1/26/2018 11:41	Sample10	CCPNA	8.92	2.93	10.00	1.06
1/26/2018 11:47	Sample11	CCPNA	8.98	2.94	10.00	1.11
1/26/2018 11:51	Sample12	CCPNA	7.26	2.55	10.00	1.10
1/26/2018 11:56	Sample13	CCPNA	6.90	2.47	10.00	1.06
1/26/2018 11:55	Sample14	CCPNA	6.97	3.16	10.00	1.05
1/26/2018 11:54	Sample15	CCPNA	6.67	2.77	10.00	1.00
1/26/2018 11:53	Sample16	CCPNA	6.93	3.16	10.00	1.10
1/26/2018 11:52	Sample17	CCPNA	6.10	2.58	10.00	1.07
1/26/2018 11:51	Sample18	CCPNA	7.90	2.65	10.00	1.05

ProChem Software & Smart Control

Transform raw data into immediate action. The analyzer is fully supported by the proprietary ProChem analysis software, which delivers precise, real-time material evaluations. Equipped with a versatile HTTP interface, it connects seamlessly to your factory PLC systems for automated, continuous process control



ProChem



ProChem Viewer

Technical Specifications

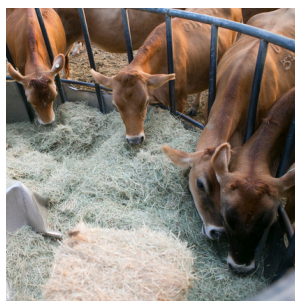
Wavelength Range	1,350–2,550 nm
Operation Temperature	–5 to 45 °C
Resolution	16 nm at $\lambda=1,550$ nm
Communications	Ethernet, TCP/IP
Environmental Rating	IP65
Power Connection	100–240 VAC, 50–60 Hz.
Housing Material	Stainless Steel & Aluminum

Industry Applications



Food & Beverage Production

By providing an uninterrupted stream of data, the ProLine 2550 enables dynamic recipe adjustments during active production. It guarantees strict adherence to nutritional labeling standards and eliminates out-of-spec batches before they ever reach the packaging line.



Animal Feed & Forage Mills

The system allows mill operators to precisely control expensive protein and fat additions in real-time. By safely operating closer to moisture limits without risking spoilage, you drastically reduce formulation costs while maintaining peak nutritional compliance for every pellet.



Chemical & Industrial Processing

Eliminate the need for dangerous manual sampling in potentially hazardous environments. The analyzer offers precise endpoint determination for complex chemical reactions, speeding up processing times and minimizing the risk of costly material degradation.

Our Core Commitments to You

"The Standard in Spectroscopy" is our commitment to your success. We provide cutting-edge analytical solutions so you can focus entirely on optimizing production, streamlining workflows, and ensuring uncompromised product quality.



Innovative

We leverage advanced technological expertise to develop state-of-the-art solutions—like direct measurement systems—that redefine laboratory standards.



Reliable

We guarantee precision and reproducibility, ensuring consistent, lab-grade results you can trust in every analysis.



Effortless

We simplify your daily workflow with intuitively designed instruments requiring zero-to-minimal sample preparation.



Cost-Effective

Maximize economic benefit by completely eliminating the need for expensive consumables, toxic reagents, and time-consuming methods.



Safe & Clean

We prioritize operator safety and the environment through robust housing architectures and chemical-free analytical processes.



Fast

Empowering rapid decisions with instant insights. We deliver accurate results in under a minute to keep your production moving.

CONTACT US

USTECH
INNOVATIONS

30 N Gould St Ste 34301 Sheridan, WY 82801

Phone: + 1 307 527 0072

info@ustechinnovations.com



www.ustechinnovations.com