KRIVALIS™

ENVIRONMENTAL MONITORING CATALOGUE

Environmental Monitoring Instruments

Air, water and soil monitoring instruments for regulatory and research laboratories.

2026-27 EDITION | KRIVA LAB INSTRUMENTS

100+	120+	98%
CLIENTS	COUNTRIES	SATISFACTION

Environmental monitoring instruments for air, water and soil, specified against the standard your data must satisfy. - 5 catalogue items, 1 platforms.

Laboratory Equipment for Tomorrow's Science

Pressure. Temperature. Flow.

A division of Kriva Medical & Lab Instruments - Mumbai, India

www.krivalis.com

Who we are

Krivalis - a division of Kriva Medical & Lab Instruments, Mumbai - supplies laboratory, analytical and process equipment to universities, research institutes, chemical, pharmaceutical, oil & gas and manufacturing companies in more than 120 countries.

Environmental monitoring instruments for regulatory and research laboratories: gas analysers, particulate and dust monitors, air and water sampling equipment, stack and ambient monitoring accessories, and the calibration gases and consumables that keep measurements defensible.

This catalogue covers the Environmental Monitoring portfolio: 5 catalogue items, each with its technical specification, typical applications and the information our engineers need to configure a system for your process.

WHY CHOOSE KRIVALIS

QC covered
Stringent quality control at every stage, from fabrication to factory acceptance testing.
Application-first
Pressure, temperature, chemistry, volume and utilities are reviewed before anything is quoted.
Global reach
Serving customers in 120+ countries through a dealer and logistics network.
Innovation-driven
Continuous development of reactor, furnace and flow platforms.

CERTIFICATIONS & ACCREDITATIONS

ATEX / IECEx certification | ASME design | CE / U-stamp marking | FDA registered equipment | GMP compliant - pharma

TRUSTED BY RESEARCH AND INDUSTRY

NASA | BITS Pilani | IIT Jodhpur | TIFR | SABIC | Halliburton

TALK TO A SPECIALIST

Every system is factory-tested, and configurations are customised without compromising safety. Send your application, operating pressure and temperature, volume and utilities to sales@krivalis.com, or call +91-74000-43303, and our engineering team will respond with a technical proposal.

Catalog index

Capacity, pressure and temperature ranges as published on www.krivalis.com. Use the reference code (for example KR-147) when requesting a quotation.

ENVIRONMENTAL MONITORING

KR-147	FTIR-1900 Gas Telemetering Instrument	-	-	4
KR-148	FTIR-1920 Gas Telemeter (Portable)	-	-	5
KR-149	FTIR-1950 Open-Path Gas Analyzer	-	-	6
KR-150	GDM-2100/1000 Series Gas Detectors	-	-	7
KR-152	FTIR-1900 Vehicle-Mounted Telemeter	-	-	8

Specifications are typical and can be customised to your process. Price and lead time on request.

ENVIRONMENTAL MONITORING REF KR-147

FTIR-1900 Gas Telemetering Instrument

FTIR-1900 Gas Telemetering Instrument is designed for reliable laboratory measurement, research, quality control, and process-development applications.



TECHNICAL SPECIFICATIONS

Band	600?5000 cm?1 (expandable)
Detector	MCT, Stirling cooling (?200°C)
Measurement Radius	5 km
Scan Angle	360° horizontal, ±30° vertical
Detection Limit	ppm to percent
Gases	>400, including TIC and VOC
Features	Chemical imaging, deep neural network analysis

APPLICATIONS

Laboratory testing - Research - Quality control - Process development

INDUSTRIES

Pharmaceuticals - Chemicals - Food - Environmental - Academic research

TYPICAL USE CASES

Routine testing - Sample analysis - Method development - R&D

ADVANTAGES

Application-focused design and digital operation versus basic conventional equipment

ORDERING INFORMATION

Quote the reference KR-147 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/environmental

ENVIRONMENTAL MONITORING

REF KR-148

FTIR-1920 Gas Telemeter (Portable)

FTIR-1920 Gas Telemeter (Portable) is designed for reliable laboratory measurement, research, quality control, and process-development applications.

TECHNICAL SPECIFICATIONS

Band	600?1500 cm?1 (expandable)
Detector	MCT, Stirling cooling
Measurement Radius	2 km
Detection Limit	ppm
Weight	<25 kg
Gases	>400
Features	Automatic patrol, cloud tracking, IP54



APPLICATIONS

Laboratory testing - Research - Quality control - Process development

INDUSTRIES

Pharmaceuticals - Chemicals - Food - Environmental - Academic research

TYPICAL USE CASES

Routine testing - Sample analysis - Method development - R&D

ADVANTAGES

Application-focused design and digital operation versus basic conventional equipment

ORDERING INFORMATION

Quote the reference KR-148 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/environmental

ENVIRONMENTAL MONITORING REF KR-149

FTIR-1950 Open-Path Gas Analyzer

FTIR-1950 Open-Path Gas Analyzer delivers reliable analytical measurement for laboratory testing, quality control, research, and process development.

TECHNICAL SPECIFICATIONS

Band	600?5000 cm?1 (expandable)
Detector	MCT, Stirling cooling
Measurement Distance	50?1000 m
Detection Limit	ppb to percent
Gases	>420, including TIC and VOC
Features	Opposed?type design, automatic background correction, expert database



APPLICATIONS

Chemical analysis - Quality control - Research - Environmental testing - Pharmaceutical testing

INDUSTRIES

Pharmaceuticals - Chemicals - Food - Environmental - Academic laboratories

TYPICAL USE CASES

Routine analysis - Method development - Sample testing - Quality assurance

ADVANTAGES

Digital control, data handling, and application-focused measurement versus basic instruments

ORDERING INFORMATION

Quote the reference KR-149 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/environmental

ENVIRONMENTAL MONITORING

REF KR-150

GDM-2100/1000 Series Gas Detectors

GDM-2100/1000 Series Gas Detectors is designed for reliable laboratory measurement, research, quality control, and process-development applications.



TECHNICAL SPECIFICATIONS

Detection Principle	Electrochemical, catalytic combustion, PID
Gas List	40+ gases (CH4, CO, H2S, Cl2, NH3, VOCs, etc.)
Communication	4?20 mA, relays, Modbus/TCP, PoE
Flow Rate	500 mL/min
Sampling Distance	up to 30 m
Mounting	Wall, pipe, vertical
Features	Magnetic front cover, plug?and?play sensor box

APPLICATIONS

Laboratory testing - Research - Quality control - Process development

INDUSTRIES

Pharmaceuticals - Chemicals - Food - Environmental - Academic research

TYPICAL USE CASES

Routine testing - Sample analysis - Method development - R&D

ADVANTAGES

Application-focused design and digital operation versus basic conventional equipment

ORDERING INFORMATION

Quote the reference KR-150 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/environmental

ENVIRONMENTAL MONITORING REF KR-152

FTIR-1900 Vehicle-Mounted Telemeter

FTIR-1900 Vehicle-Mounted Telemeter is designed for reliable laboratory measurement, research, quality control, and process-development applications.



TECHNICAL SPECIFICATIONS

Band	600?5000 cm?1 (expandable)
Detector	MCT, Stirling cooling
Measurement Radius	5 km
Scanning	360° PTZ + 2D galvanometer
Detection Limit	ppm to percent
Gases	>400
Features	Chemical imaging, visible/infrared video, deep neural network

APPLICATIONS

Laboratory testing - Research - Quality control - Process development

INDUSTRIES

Pharmaceuticals - Chemicals - Food - Environmental - Academic research

TYPICAL USE CASES

Routine testing - Sample analysis - Method development - R&D

ADVANTAGES

Application-focused design and digital operation versus basic conventional equipment

ORDERING INFORMATION

Quote the reference KR-152 when enquiring. Configurations, wetted materials, port layouts and control options are confirmed on the quotation; final values appear on the equipment nameplate and test certificate.

Request a quote: www.krivalis.com/contact.php | View online: www.krivalis.com/products/environmental

How to specify and order

The fastest route to a usable quotation is a short, specific enquiry. The checklist below is what our engineers ask before proposing a configuration.

WHAT TO SPECIFY

- Which parameter and which standard or method the data must satisfy.
- Detection limit and range, not only the resolution.
- Sampling point conditions: temperature, humidity, dust load, corrosives.
- Whether data must be logged, telemetered, or reported to a regulator.
- Power, shelter and site access at the monitoring location.
- Calibration and maintenance plan, including who performs it and how often.

DOCUMENTATION AND SUPPORT

- Test certificates, material traceability and calibration records with the equipment.
- Installation, commissioning and operator training through Krivalis or the local dealer.
- Spare parts, seals and consumables held for the life of the equipment.
- Service support by phone, email and remote access, with on-site visits where required.

CONTACT

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Legal entity	Kriva Medical & Lab Instruments, Mumbai, India

Krivalis supplies laboratory, analytical and process equipment to research laboratories, universities, pharmaceutical companies and industry in more than 120 countries. Product brochures, buying guides and specifications are available at www.krivalis.com.