

MICHELL INSTRUMENTS

КАТАЛОГ ОБОРУДОВАНИЯ



Condumax II On-Line

Hydrocarbon dew point analyzer for ensuring quality of Natural Gas. Supplied in a flame-proof/explosion-proof enclosure and available with optional water dew point measurement, to increase safety as well as avoid damage to pipelines and turbines. IECEx, ATEX, cCSAUS, TC TR Ex certified.



Condumax II Transportable

Transportable hydrocarbon dew-point analyzer system for operation in the field. ATEX & cCSAUS certified for IEC Zone 1 or 2 hazardous area, NEC Class I, Division 1 Groups B, C, D.



QMA401

The next generation Advanced Quartz Crystal Microbalance analyzer from Michell Instruments is designed to provide reliable, fast and accurate measurement of trace moisture content in a variety of applications where keeping moisture to a minimum is of critical importance.



QMA601

The next generation Advanced Quartz Crystal Microbalance analyzer from Michell Instruments is designed to provide reliable, fast and accurate measurement of trace moisture content in a wide variety of process applications where keeping moisture levels as low as possible is of critical importance.



OptiPEAK TDL600

Fully hazardous area IECEx, ATEX, cMETus, TC TR Ex certified TDLAS moisture analyzer for measurement in natural gas and biomethane. OptiPEAK TDL600 employs the latest techniques in non-contact laser absorption spectroscopy to provide class-leading measurement performance, stability and detection sensitivity with minimum required maintenance.



Promet I.S.

Intrinsically Safe Process Moisture Analyzer for high pressure, process gases and vaporized liquids on natural gas platforms and terminals, petrochemical plants and industrial gas manufacturing facilities. Up to four Promet I.S or Liquedew I.S analyzers may be combined via the Multi-Channel Control Unit. IECEx, ATEX, CSA, GOST Ex certified.



Promet EExd

Heavy-duty moisture in natural gas analyzer, housed in an flame-proof/explosion-proof enclosure, certified to ATEX, cCSAUS and GOST. Configurable for single or dual channel measurements of moisture and designed for simple installation and integration.

По вопросам продаж и поддержки обращайтесь:

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| Архангельск +7 (8182) 45-71-35 | Кемерово +7 (3842) 21-56-70 | Новосибирск +7 (383) 235-95-48 | Сочи +7 (862) 279-22-65 |
| Астрахань +7 (8512) 99-46-80 | Киров +7 (8332) 20-58-70 | Омск +7 (381) 299-16-70 | Ставрополь +7 (8652) 57-76-63 |
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| | | | Ярославль +7 (4852) 67-02-35 |

сайт: michell.pro-solution.ru | эл. почта: mhc@pro-solution.ru
телефон: 8 800 511 88 70



Liquidew I.S.

Intrinsically Safe Moisture in Liquids Analyzer, providing fast and reliable on-line measurement. A wide variety of non-polar liquids can be measured continuously, on-line, including flammable liquids and petrochemicals. IECEx, ATEX, CSA, GOST Ex certified.



Liquidew EExd

Complete trace moisture measurement system, providing direct, accurate, on-line measurements for moisture dissolved in process liquids. The flame-proof/explosion-proof analyzer provides single-or dual-channel measurements with a convenient display interface and easy installation. ATEX, cCSAUS and GOST certified.



Intrinsically Safe Field Display

ATEX, IECEx, and FM certified, 4-digit loop-powered local monitor for the Easidew PRO I.S. and Easidew I.S. transmitters. IP66 enclosure with built in terminal compartment for easy wiring and installation.



HygroCal100

Fully-automated, feature-packed portable humidity validator with touch screen interface, probe read-back and power, data-logging, optional battery pack and more.



S904

Stand-alone and transportable humidity calibrator, for dew-point and relative humidity sensors.



HG10

Automatic temperature and humidity calibration system with a wide humidity generation range. Features chilled mirror reference.



OptiCal

Premium transportable calibration solution for humidity sensors with built in chilled mirror reference.



DCS

Premium customizable rack-mounted dew-point calibration station with chilled mirror reference.



HG1

Low-cost, transportable calibrator for dew-point and relative humidity sensors with built in chilled mirror reference.



Pressure Swing Dryers

A source of very dry compressed air for use as a zero gas in humidity calibration systems, or for general laboratory applications.



Dew-Point Generators

A range of dew-point generators offering ease of use and fast response to humidity step changes.



MDM300 & MDM300 I.S.

Easy to use, ergonomic, portable dew-point hygrometer offering rapid spot-check measurements of dew point or moisture content. Available with optional ATEX, IECEx, FM, CSA, INMETRO and TC TR Ex certification.



MDM25

Portable, battery-operated hand-held hygrometer, that measures relative humidity, temperature and calculated dew-point, volumetric humidity or wet bulb temperature.



MDM50

Designed to make high-speed spot check measurements to -50°C dew point as simple as possible, simply connect your sample gas, turn on the instrument and it will automatically begin to measure the dew point of the applied sample.



Easidew & Easidew 34 Transmitters

Rugged and reliable industrial, loop-powered dew-point transmitter with a 5/8" UNF or 3/4" UNF process connection. The wide $-100/+20^{\circ}\text{C}$ ($-110/+20^{\circ}\text{C}$ Easidew 34) dew point measurement range makes it suitable for all industrial dryer applications.



Easidew I.S. Transmitter

Intrinsically safe dew-point transmitter, based on field-proven Easidew transmitter technology. IECEx, CSA, FM, Gost K/R and ATEX certification makes the Easidew I.S. ideal for all global hazardous area applications. 5/8" UNF, G1/2" BSP or 3/4" UNF process connections.



SF52 Transmitter

Fast-responding, cost effective dew-point transmitter designed for use in harsh industrial dryer applications. Available with G1/2" or 1/2" NPT process connections.



Easidew Online Hygrometer

A cost effective hygrometer including an Easidew Transmitter and digital display with analogue and digital outputs and dual alarms.



Cermet II Hygrometer

A full specification on-line hygrometer with wide operating range and multiple display options. Includes Cermet II transmitter, based on Easidew technology with digital output.



DryCheck Hygrometer / Sampler

A simple and efficient, self-contained dew-point hygrometer based on Easidew technology, with filtration and flow control, for measurement of dew point or moisture content.



Easidew Sampler

A low-cost, self-contained sampling system, with filtration and flow control, for measurement of either pressure or atmospheric dew points.



Easidew PRO I.S. Transmitter

Intrinsically safe transmitter for moisture measurement in gases and liquids, supporting ppmv, ppmw and dew-point output with $\pm 1^{\circ}\text{C}$ accuracy. IECEx, CSA, FM, Gost K/R and ATEX certified. 5/8" UNF process connection.



Easidew XP Transmitter

Explosion proof dew-point transmitter, with $\pm 1^{\circ}\text{C}$ dew-point accuracy. IECEx, cCSA_{US} , and ATEX certification makes the Easidew PRO XP ideal for a wide variety of explosion proof /flameproof rated applications. 3/4" UNF process connection.



Intrinsically Safe Field Display

ATEX, IECEx, and FM certified, 4-digit loop-powered local monitor for the Easidew PRO I.S. and Easidew I.S. transmitters. IP66 enclosure.



ES20 Compact Sampling System

An economical, high quality sampling system, with a variety of enclosure, filtration, pressure, and tube fitting options.



S8000 Remote

With its compact remote sensor design, the S8000 Remote is the perfect reference instrument in environmental applications and climatic chambers. It features $\pm 0.1^{\circ}\text{C}$ accuracy across its -40 to $+90^{\circ}\text{C}$ dew-point measurement range.



Optidew

Supplied in a rugged wall-mount enclosure, making it ideal for industrial applications, or outdoor installation. Features a remote sensor with $\pm 0.2^{\circ}\text{Cdp}$ accuracy ($\pm 0.15^{\circ}\text{C}$ optional) over its -40 to $+90^{\circ}\text{C}$ dew point measurement range.



Optidew Vision

The Optidew Vision has the same wealth of features as the Optidew, but is supplied in a bench-top package with a carry handle, making it perfect for laboratory use.



S4000 RC

Features a monolithic sensor block for mounting in climatic chambers and other controlled environments, and provides excellent stability, reproducibility and $\pm 0.1^{\circ}\text{C}$ accuracy across its -80°C to $+85^{\circ}\text{C}$ dew-point measurement range.



S8000 Integrale

Features an integrated sensor head allowing measurement in the range of -60°Cdp to $+40^{\circ}\text{Cdp}$, combining the measurement sensitivity and $\pm 0.1^{\circ}\text{C}$ dew point accuracy of the RRS system.



S8000 RS

Our flagship chilled mirror hygrometer, capable of measuring as low as -90°C dew point in a compact, lightweight package. The sensor head is optimised for fast response to low moisture levels and features the RRS system for high sensitivity and a dew-point accuracy of $\pm 0.1^{\circ}\text{C}$.



S4000 TRS

Designed for very dry dew point measurements to -100°C (-148°F) with $\pm 0.1^{\circ}\text{C}$ accuracy. It features excellent stability and reproducibility across its entire measurement range, and is used in calibration and standards laboratories worldwide.



HS3 Probe (NEW!)

Advanced $\varnothing 15\text{mm}$ probe with dual voltage



PCMini52

$\varnothing 12\text{mm}$ highly compact probe with dual voltage



PC33 & 52

$\varnothing 19\text{mm}$ probes with voltage or current loop



PC62 & 62V

$\varnothing 19\text{mm}$ probes with voltage or RS232/RS485



PFCMini72



Ø18mm probe for outside installation with voltage outputs, optional direct 3-wire PRT temperature measurement.



DT722

Ø19mm fixed probe for **high temperature** applications. Current loop outputs. Optional integrated display.



HygroSmart DT282/292XP



Ø19mm fixed probe with voltage, current loop, or RS485 Modbus RTU outputs. Optional integrated display.



RM33 & 52

Low-cost transmitters with voltage or current loop outputs.



PCMini70



Ø22mm compact transmitter with stainless steel housing, for OEM applications. Voltage %RH output, direct 3-wire PRT temperature measurement.



DT269

Ø19mm fixed probe with voltage or current loop %RH outputs, optional direct 3-wire PRT temperature measurement.



HygroSmart DT284/294XP



Ø12mm fixed probe for **high temperature** applications. Voltage, current loop or RS485 outputs.



WM33 & 52

Compact transmitters, with optional integrated display. Current loop or voltage outputs.



WM261

Ø12mm fixed probe, with voltage or current loop %RH outputs, optional direct 3-wire PRT temperature measurement.



HygroSmart WR Series



Advanced Ø12mm remote probe relative



HygroSmart WM Series

Advanced Ø19mm wall mount relative humidity and temperature transmitter with voltage, current loop, or RS485 Modbus RTU outputs. Optional integrated display.



OEM Transmitters

With 40 years experience of providing measurement and analysis solutions for dew point, humidity and oxygen we understand that many applications require more than an "off the shelf" product. Get in contact with our team of industrial process engineers and systems designers, and we can take your project from the design and consultation phase, right through to manufacturing and commissioning.



HygroSmart I7000XP Interchangeable Sensor

Interchangeable sensor for relative humidity and temperature. With voltage, PT100 and I²C outputs.



H8000 Relative Humidity Element

The H8000 capacitive polymer element is the latest generation technology, developed to reliably and accurately measure moisture in a wide range of relative humidity applications.



XTP601 Series

A robust, linear and stable oxygen analyzer for measurements in gases such as Hydrogen, Nitrogen, Carbon Dioxide etc. With flame arrestors fitted, the analyzer becomes explosion-proof and suitable for hazardous areas with ATEX, IECEx, cCSA_{US}, INMETRO & TC TR Ex certification.



XZR500

Designed to determine the excess air required for optimum combustion. Uses MSRS technology to measure oxygen levels in harsh conditions such as boilers, incinerators and furnaces, providing fast, accurate readings in high temperatures and corrosive atmospheres. The Pitot-effect sample probe negates the need for aspirator air in most applications.



XZR400

Designed for measurement of trace oxygen in pure gases. It is used to control the purity of gases such as Nitrogen, Argon, Helium and Carbon Dioxide during manufacture, quality in air separation plants, or for quality assessment of bought gases. Available in wall-mountable and rack-mountable versions.



XZR200 Oxygen Analyzer

A cost effective zirconium-dioxide analyzer to measure percentage level oxygen in combustion processes, ambient air monitoring and many more applications.



XGA301 Industrial Gas Analyzer

The XGA301 Industrial gas analyzer from Michell Instruments provides a convenient platform to measure oxygen, dew point and other gases such as CO₂, CO and CH₄. The analyzer can be supplied in one of two bench-mounted chassis and with up to three sensors fitted.



XTC601 for Monitoring Hydrogen Cooled Generators

The HCG variant of the XTC601 is a multi-phase binary gas analyzer, specifically calibrated for monitoring hydrogen cooled generators during operation and maintenance. One single enclosure with remote switching of measurements and phase indication, suitable for hazardous areas with ATEX, IECEx, cCSA_{US}, INMETRO & TC TR Ex certification.



XTC601 Binary Gas Analyzer

A robust, linear and stable thermal conductivity analyzer for measurement of binary gas mixes such as air in Hydrogen, Nitrogen, Argon, Helium or Carbon Dioxide. IECEx, Atex, cCSA_{US} & TC TR Ex certified.



PCR

The PCR from Michell is a transportable gas blender in a flight case, suitable for calibrating a multitude of gas analyzers at virtually any location and has been designed to allow the blending of two or three gases to the required concentration.

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| | | | Ярославль +7 (4852) 67-02-35 |

сайт: michell.pro-solution.ru | эл. почта: mhc@pro-solution.ru
телефон: 8 800 511 88 70