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Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

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Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
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Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
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Пенза (8412)22-31-16

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Самара (846)206-03-16
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Саратов (845)249-38-78
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Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
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Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://welker.nt-rt.ru/> || wrc@nt-rt.ru

When a Sniffer Isn't Enough

Why wait for a monthly sniff test? Ensure your distribution system is properly odorized at all times: install Welker's IntelliScent™ Odorant Monitor to frequently and objectively measure odorant levels.

IOM/IOM-228

Data Sheet IntelliScent™ Data Sheet

Share



24/7/365

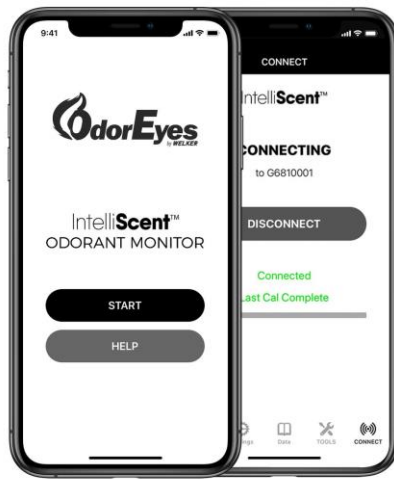
Automated Measurement Cycles

Unlike human sniffers, the IntelliScent™ isn't restricted by schedules or olfactory fatigue. Microcontrollers regularly sample the natural gas stream, allowing for frequent monitoring of injection odorizers and incoming odorant levels. Electrochemical sensors objectively measure odorant levels in calibrated units of lb/MMscf or mg/m³. Repeat measurement cycles at 1-, 2-, 4-, 6-, 8-, 12-, or 24-hour intervals.

High Caliber Measurement

Automatic System Calibration

Program the IntelliScent™ for automatic system calibration at daily, weekly, or monthly intervals. System calibration runs a complete measurement cycle using a cylinder of calibration gas and compares the results to the preset values; any deviation is corrected to ensure the accuracy of subsequent measurement cycles.



Communication is Key

Wireless Capabilities

Designed for Class I, Division 1 hazardous areas and capable of analog or MODBUS output, the IntelliScent™ is well-suited for remote locations. Error conditions are reported as multi-level fault values, making remote diagnosis possible regardless of output type. When you have to be on site, improve the field experience with the free IntelliScent™ Odorant Monitor iOS app from the Apple App Store. Use the app on your mobile device to wirelessly interrogate and command the unit from up to 25 feet away, view current and historical data, and access tools and troubleshooting resources like the user manual.

SPECIFICATIONS

INTELLISCENT™ ODORANT MONITOR

IntelliScent™

Materials of Construction

Instrument Housings: Aluminum

Tubing & Fittings: 316 Stainless Steel

Temperature Range

-4 °F to 122 °F

Power

DC 12 V ± 5% @ <12 W

Analog Output

4–20mA, 750 Ω Loop Resistance

Digital Output

R-485 2-Wire ModBus

Connections

Filter Drain

Purge Air Inlet

Sample Exhaust

Sample Inlet: 1/4" Tubing

Utility Requirement

Ambient Air for Purge

Temperature Range: 14 °F to 104 °F

Humidity Range: 10–95% RH, Non-Condensing

Sample Rate

Up to 24 Samples Per Day at 1-Hour Intervals

Operating Pressure

1500 psig MAOP @ -32 °F to 122 °F

Electrical Area Classification

CSA Class I, Div. 1, Groups B,C, and D (Sensor)

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