Uber M-I Family
Versatile, Low-Cost, Guaranteed Drift-Free
Mini-Sensors for Multiple Applications

Industrial Gas	Electronic Gas	Natural Gas	Medical & Aviation	Aerospace & Military	Glove Box	Specialty Gases

Reliable, Versatile, Easy-to-use, and Easy on Your Wallet: The **Uber M-I** is the world's smallest and lowest cost *absolute* moisture analyzer in a single comprehensive package. More, the **Uber M-I** now comes in portable (**Uber GO**) and benchtop (**Uber LAB**) versions, all with new extended range capabilities.

Stand-Alone Uber M-I assures that your industrial and high-purity gas meet your specifications:

- Standard Uber M-I can be installed at your point of use
- Sensor designed for fast & easy field replacement

Bench-Top Uber LAB eases testing:

- Small footprint tucks into your instrument bench
- Angled rise for comfortable viewing access

Transportable Uber GO gets around:

- Premier Pelican™ waterproof, dustproof case
- Based on a customer design to ease movement

MEECO's legendary Electrolytic technology offers drift-free, calibration-free performance and a wide dynamic range -- from 0.5 to 5000 ppmV *-- four orders of magnitude! Its freedom from consumables, recyclable sensor, and sustainable design makes the **Uber M-I** a product for our times. Consider these valuable new features, all included:

- ☐ Extended range to 5000 ppmV at 50 sccm flow
- ☐ Analog 4-20 mA and RS-232 outputs
- ☐ Two field-adjustable LED alarms, with dedicated Relay Outputs
- ☐ Accessible quick-connect cable, or DB25 connection (for relays)
- ☐ Inlet Pressure: 3 to 100 psig (lower available)
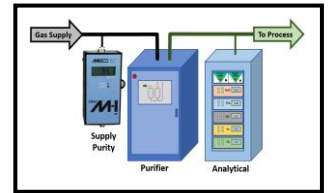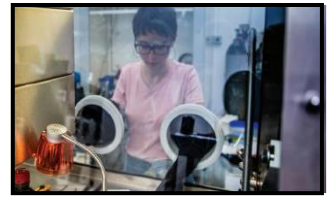- ☐ Enclosure designed for easy internal access

Service with a Big Smile 😎: The **Uber M-I** comes with a full two-year Certificate of Calibration. The cell can easily be replaced in the field, with no need to disconnect the unit from the sample stream! Also, spare cells now have a two-year storage life if held in their unopened shipment bags.

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We Get Around: The **Uber M-I** is suitable for a wide array of applications, including:

- **Glove Boxes:** Based on its small size and lack of internal flow restrictions, the **Uber M-I** is ideal for Glove Boxes when you control the sample flow to 100 cc per minute. **NOTE**: You may use a vacuum pump to pull gas through the analyzer.

- **Semiconductor Pre-purifier:** Avoid damage to your costly purifiers with a reliable, on-line **Uber M-I**. Save money on purifier replacements and guarantee gas quality.

- **Cylinder-fill:** Place an **Uber M-I** at the front of your filling process to assure incoming gas meets specifications.

- **Medical Gases:** The **Uber M-I** electrolytic technology is the most established moisture measurement process allowed for this application by the *Pharmacopoeia Europa*.

- **Welding:** Based on the absolute Electrolytic Principle, the **Uber M-I** accurately measures inert gas mixtures by adjusting the sample outlet gas flow to 100 cc per minute.

- **Fire suppression Systems:** For Oxygen reduction inert gas systems, the **Uber M-I** reliably measures at low levels.

Specifications:

Detection Limit (LDL):	0.5 ppmV
Operating Range:	0-5000 ppmV
Accuracy:	±5% of reading or 0.4 ppmV, whichever is greater In Oxygen: ±10% of reading or 3 ppmV, whichever is greater
Cell type (P_2O_5)	APR, APO*, or APRH*
Gas Matrices Library:	Inert gases, Oxygen, Hydrogen and others, including gas mixtures. For other gases, please consult factory. *For Oxygen (mixtures) APO cell is required and Hydrogen (mixtures) APRH cell is required.
Inlet Pressure:	3-100 psig (0.2 – 6.9 barg). (Lower available)
Operating (Ambient) Conditions:	0°C to +60°C (32°F to +140°F), maximum 80% RH non-condensing
Flow Rate:	Cell: 100 sccm or 50 sccm Bypass 1000 sccm
Display unit options:	ppmV, or °C or °F dewpoint (factory set)
Gas Connections:	Inlet: 1/8" compression; Outlet: 1/8" compression; Bypass outlet 1/8" compression
Signal Output:	4-20 mA current sourcing or sinking, RS-232 communication (with MEECO software)
Alarms:	Two (2) user-adjustable moisture levels (with MEECO software)
Electrical:	24V DC input
User Interface:	5-digit LCD display.
Weight:	1.1 lbs. (0.5 kg)
H x W x D:	4.94" H x 2.75" W x 2.28" D ((12.55 cm H x 6.99 cm W x 5.79 cm D)
Mounting:	UBER M-I - Standard model, UBER LAB - Benchtop model, UBER GO - Premier Pelican Case model

MEECO INC