

MB-Meter Interface Unit

A new standard in Automatic Meter Reading

FEATURES

- ISO 15693 and ISO 18000-3 Mode 1 compatible NFC interface
- Programmable device parameters Over-the-Air or via NFC
- FOTA (Firmware-Over-the-Air) update capability
- Reliable device operation beyond 10 years

BENEFITS

- Bidirectional flow measurement
- Backflow, Suspected Leakages, Excessive Consumption and Zero Consumption detection
- Device removal and tamper detection
- Contactless NFC on-demand reading and device configurations
- Built-in real-time clock and large data logging memory with time stamping
- IP68 rated, dust and water resistant

The Technology

Designed to connect to other meter sizes including bulk meters and other meter brands, the innovative George Kent-developed Meter Interface Unit communicates with the GKM SisBA Head-End or Mobile receivers to provide wireless meter readings through a Meter Data Management System. The device accepts pulse signals from an external pulse sensor and its flanged body is attachable to a pole or wall.

Reading Types

- Mobile Network Reading
- Optional NFC tap reading

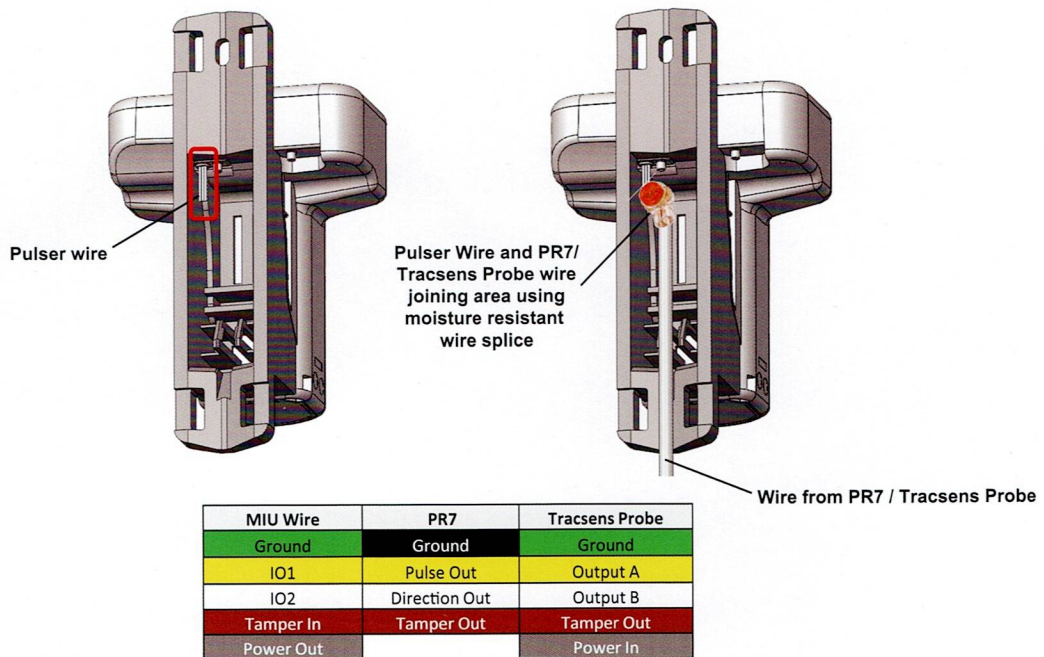
Compatibility

- GKM H4000 size DN50 - DN300 (PR-7)
- PSM & KSM DN15 - DN40 (Tracsens Probe)

MB-Meter Interface Unit

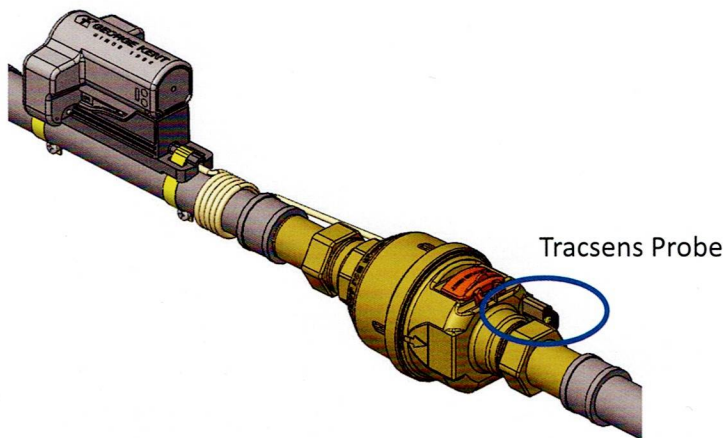
Product Specifications

| | |
|-------------------------------------|--|
| Model Number | MIU-433 |
| Supported Meters | H4000 (PR-7), KSM & PSM (Tracsens Probe) |
| Processor | Ultra-low power 32-bit Cortex ARM Processor |
| Pulse Sensor Input | External wiring |
| Tamper Sensor | • External magnet • Device removal (Motion) |
| Wireless Communication | • EN 13757-4 Wireless M-Bus • NFC ISO15693 Passive Tag mode |
| Operating Frequency | • Wireless M-Bus (433 MHz) • NFC 13.56 MHz |
| Battery | Lithium Thionyl Chloride, 3.6 V, 19,000 mA |
| Internal Memory Capacity | 4,000 logs |
| Weight | 404 g |
| Dimension (W x D x H) | 92 mm x 79 mm x 158 mm |
| Operating Temperature | 0 °C to +50 °C |
| Humidity | 5% to 90% RH non-condensing |
| Dust & Water Resistance | IP68, IEC60529 |
| Product Conformity/Standards | • MCMC MTSFB TC T007: 2914 • ETSI EN 300 220 1-1 |
| Supported Alarms | • Low Battery* • Suspected Leakages* • Excessive Consumption* • Zero Consumption* • Backflow* • MIU Tamper • Magnet Tamper *Supported by setting in SisBA system |
| Device Configuration | • NFC (On the field) • Wireless M-Bus (Proximity) |
| Reading Interval | • Configurable from 1 min. to 60 days interval • Readings are logged inside MIU memory • Configurable to start data logging on a particular date & time |
| Reporting Interval | Configurable from 1 sec. to 60 sec. interval |
| On-field Verification | Reading via NFC |
| Firmware Update | • NFC (On the field) • FOTA via Wireless M-Bus Network (Proximity) |

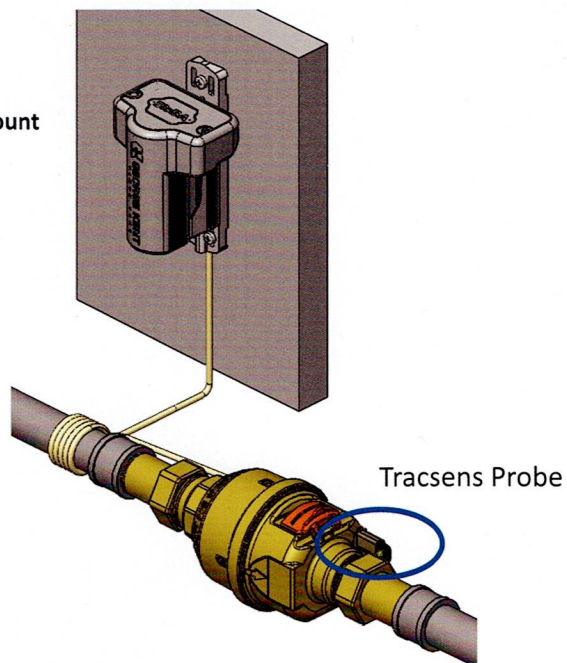


Installation for Commercial and Industrial

Pipe Mount



Wall Mount



PR7

