



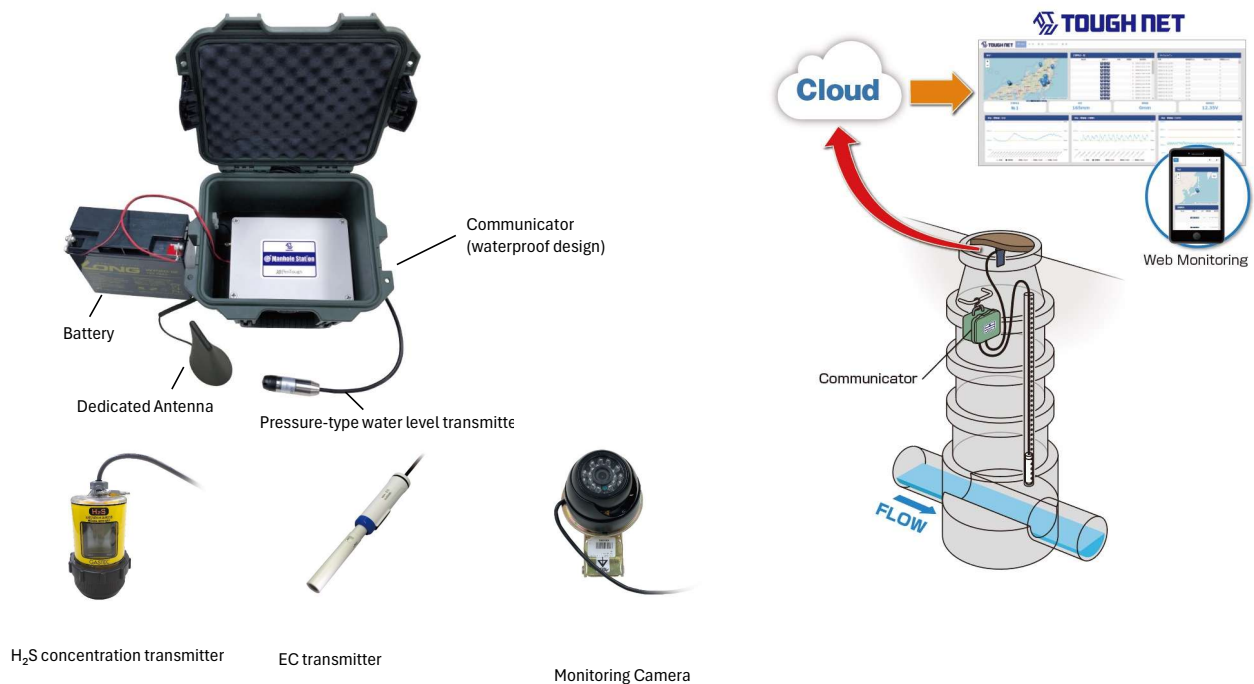
Manhole Station: A web-based monitoring system device for water level.
Real-time manhole water level monitoring allows for early detection of rising water level.

Easy to install, remote monitoring of pipeline facilities can begin on the same day.

Whether it's short-term monitoring for screening surveys, dynamic information management, or continuous monitoring to build AI-ready big data systems — this solution can be utilized in a wide range of applications.

Key Features

- No construction work or electrical work required—easy to install and remove
- Operates continuously for over a year by internal battery
- Supporting SIM-card, enabling immediate web-based monitoring from the smartphone or PC
- Supporting various field information such as a water level, flowrate, water quality, gas, deterioration and/or images.
- Linking measurement points on a GIS map or a piping floor plan, monitoring screen can be displayed measured values and trend by "Day," "Week," and "Month." Also, an alert can be announced by email.



Specifications

① Communication Device

- Modem: MVNO(3G/4G)、AU(CatM1)
- Data Logger:
- Measurement Interval: 1,2,3,4,5,10,15,20,30,60-minutes
- Communication Interval: Continuous intervals of 5,10,15,20,30,60-minutes, 2,3,4,6,8,12,24-hours (Less than 5-minutes: Optional)
- Power Supply: 20AH Battery

② Dedicated Antenna

- Dipole Antenna: 4G/3G/2G LTE
- Cable: RG-174 × 2m
- Connector: SMA (M) (with cable)
- Ingress Protection: IP65
- Size: 72 × 53mm × H 143mm

③ Input terminal

- Pressure-type water level transmitter
- Ultrasonic water level transmitter
- Tipping bucket rain gauge transmitter
- Doppler flow velocity transmitter
- Various Water quality and Gas transmitters
- Dedicated camera device

④ Monitor screen

- Smartphone
- Tablet
- PC