



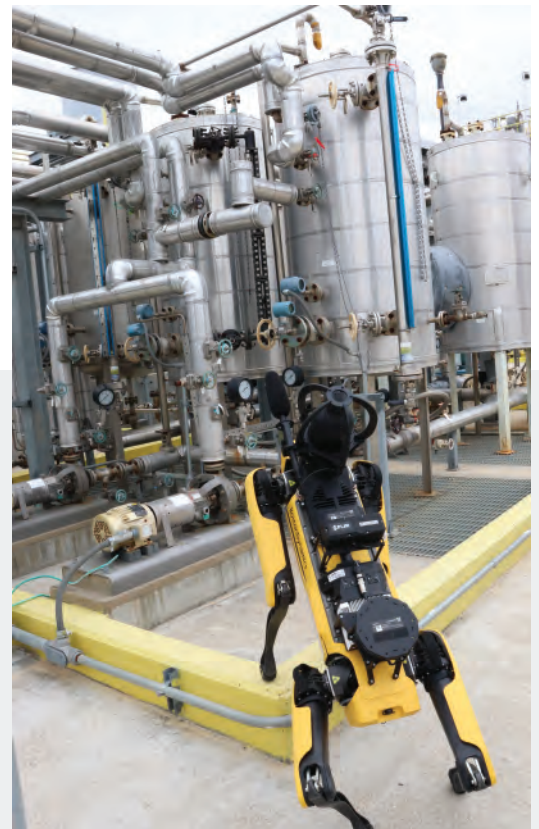
## TELEDYNE FLIR MUVE C360 ON BOSTON DYNAMICS SPOT

### ENSURE WORKER SAFETY WITH AUTONOMOUS DETECTION OF HAZARDOUS GAS LEAKS

The integration of the Teledyne FLIR MUVE C360™ multi-gas detector on Boston Dynamics' Spot provides continuous real-time monitoring of chemical hazards while on the move.

The MUVE C360's sensor block boasts 8-channels, which include a photoionization detector (PID), Lower Explosive Limit (LEL) detector, and six other sensors. This highly advanced gas detection tool can be mounted onto Boston Dynamics Spot robot to become an all-in-one solution for detecting hazardous gases, including methane, propane, and volatile organic compounds (VOCs), among others.

Equipped with the Teledyne FLIR MUVE C360, Spot can accurately scan the area, navigate through obstacles, and avoid hazards, reducing the risks associated with gas detection for human workers. Additionally, the sensor has a unique feature that allows it to shut down Spot if it detects a gas plume that triggers a crucial Lower Explosive Limit (LEL) level. This feature is a safety measure that helps prevent potential explosions or fires in hazardous work environments. Boston Dynamics' Spot can autonomously cover a larger area than a stationary detector, providing continuous and accurate monitoring in real-time with an easy-to-understand visual overlay. This feature enables workers to detect gas leaks and monitor the air quality in real time, allowing for proactive measures to be taken immediately in the event of an incident.



- Set an LEL threshold that triggers Spot to autonomously shut down
- Gather initial assessment of hazard before putting the health and safety of your team at risk
- Get a comprehensive overview of an active scene including visuals and chemical identification.
- Analyze air quality surrounding active scenes prior to entry
- 8-channel sensor delivers broad hazard coverage
- Detects a wide range of gases, including methane, propane, and VOCs
- Locate leak source and track incident progression
- IP43-Rated
- Real-time detection



## TELEDYNE FLIR MUVE C360 ON BOSTON DYNAMICS SPOT

WEIGHT	680g with cradle
SIZE	With cradle: 6.5" x 2.25" x 3.0"
OPERATING TEMPERATURE RANGE	-20C to 50C. RH 10-93% non-condensing
INGRESS OPERATION	IP43-Rated
STARTUP	90 second cold start
POWER	12VDC input
SENSORS	CO, Cl <sub>2</sub> , O <sub>2</sub> , NO <sub>2</sub> , H <sub>2</sub> S, SO <sub>2</sub> , LEL
PID	VOC 10.6 eV (ppm)
SAMPLING RATE	300 ml/min minimum
SAMPLING & ANALYSIS	Real-time detection

### 8 CHANNELS DETECT THESE GASES:

- Isobutylene
- Oxygen
- Methane
- Sulfur Dioxide
- Carbon Dioxide
- Nitrogen Dioxide
- Hydrogen Sulfide
- Chlorine



BostonDynamics

