

# Existing NDIR-based CxHy Sensing Module vs. New TDLAS-based Methane Products

	Existing Internally-mounted CxHy/CH4/LEL Sensing Module	New Externally-mounted TDLAS Methane Sensing MODULE	New TDLAS Methane Sensing & Mapping SYSTEM
Weight	20g	250g	<300g
Detection Method	Non-dispersive Infrared (NDIR)	Tunable Diode Laser Absorption Spectroscopy (TDLAS)	Tunable Diode Laser Absorption Spectroscopy (TDLAS)
Target Gas(es)	Sensitive to all alkanes (but calibrated for CH4)	Methane ONLY	Methane ONLY
Range	0~5%VOL (0~100%LEL) methane, or 0~2%VOL propane	0~15000ppm ★	0~15000ppm ★
Detection Limit	0.01% (100ppm)	1ppm ★	1ppm ★
Theoretical Resolution	0.01% (100ppm)	1ppm ★	1ppm ★
Response Time	<30s	1s (without tube) ★	1s (without tube) ★
Compatible Drone(s)	DJI M300 RTK, Mavic 2 Series, Mavic 3 Series, M210 Series, M600 Series, Autel EVO II and more	DJI M300 RTK	DJI M30 Series
Work Mode	Installed INSIDE a Sniffer4D V2 Does not work stand-alone	Mounted OUTSIDE a Sniffer4D V2 Does not work stand-alone	Stand-alone system, with built-in 4G
			