



# TDL 220

## Tunable Diode Laser

The best tool an OGI operator can have for initial leak screening.

ICI's TDL 220 (Tunable Diode Laser) is an advanced handheld system which detects methane gas (CH<sub>4</sub>) at distances of up to 20 m (65.6 ft) at volumes of 0 ppm.m to 100,000 ppm.m. Traditional methane detection methods are costly, time consuming, places valued personnel in harms way, and impacts a company's bottom line.

Adding the TDL 220 detector to predictive maintenance plans helps users quickly and safely identify methane gas leaks. TDL 220 is sure to improve an OGI technician's leak screening capability and productivity by 50%, or greater in time savings and leak identification. Screen natural gas facilities with far greater consistency all year long, whether it's raining, snowing, hot or cold. Reliability across your LDAR team you can depend on.



Comes complete with charger kit + wrist strap

### APPLICATIONS:

- LDAR Inspections
- General Safety Inspections
- Approved by EPA for Subpart W Inspections
- All natural gas facilities

### OPTIONS:

- Compact hard shell carrying case

### Key Features:

- Advanced tunable laser technology
- Detection distance up to 20 m (65.6 ft)
- High sensitivity and fast response time
- Unmatched gas detection
- Visual and audible alarms
- Fits in your pocket
- Self-diagnostic notifications
- Low Power Consumption
- Small size and light weight
- EPA Compliant and Intrinsically Safe



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## Tunable Diode Laser

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### Specifications:

Target Gas:	Methane (CH <sub>4</sub> )
Sensitivity:	5 ppm.m
Measurement Range:	0 ppm.m to 100,000 ppm.m
Detection Distance:	20m (65.6ft)
Response Time:	T <sub>90</sub> < 0.1seconds
Operation Range:	-20°C to 50°C (-4°Fto122°F)
Storage Range:	-20°C to 60°C (-4°Fto140°F)
Humidity:	0 % ~ 99 % relative, non-condensing
Dimensions (without lens):	220mm x 90mm x 90mm (L x W x H ± 0.5mm) (8.66" x 3.54" x 3.54" (L x W x H ± 0.02"))
Power:	DC 3.7V
Battery:	Li-ion, rechargeable
Operation Time:	10 hours
Weight (with battery):	380g (13.4 oz)
Screen:	color LCD
Grade:	EX ib IIB T4 Gb
IP Rating:	IP68
Alarming Method:	Visual and Audible
Laser:	
- Detection:	Class 1
- Spotter:	Class 3R
Units of Measurement:	ppm.m, LEL.m, and VOL.m