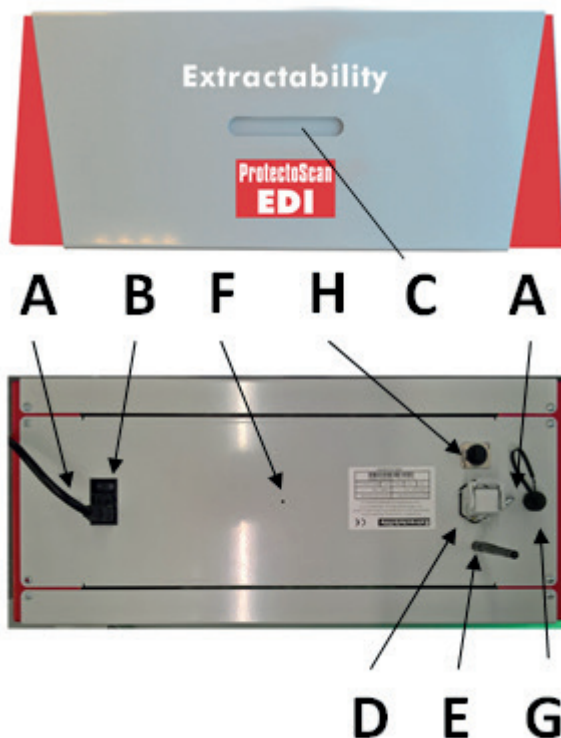## ProtectoScan EDI

Environmental Detection Instrument

Are you ready for EDI?

Effective exposure monitoring

for industry

A	2 eyelets for the ceiling mounting (left/right)
B	Power socket with toggle on/off switch
C	LED bar with traffic light function
D	Single throw bung for relay connections
E	WiFi Antenna
F	Reset button (countersunk)
G	Connection of the digital inputs
H	Ethernet connection

The ProtectoScan EDI is an Environmental Detection Instrument (EDI) that provides intelligent, data-driven protection and interaction (optional) in the industrial workplace. An indoor air monitoring instrument that measures and records real-time data for dust/fume particulate, noise, temperature and humidity, EDI catches the eye with an LED traffic light display, alerting users to any notable issues, giving users instant feedback and a visual representation of what is going on in their workshop.

Users will also benefit from EDI email alerts when exposure limits are surpassed. All live data sits at the users' fingertips via WiFi on the dedicated WebApp, turning the EDI into the perfect cloud-based solution, monitoring and recording exposure levels for every second of the day, 365 days a year.

Main features

Features
- LED bar with traffic light function
- WiFi Antenna
- Ethernet connection
- Measures particle density, temperature, air humidity and volume
- Records real-time data, 24/7, 365 days a year
- Display and reading of the measurement data via dedicated cloud-based WebApp
- Remote and manual switching on/off via WebApp
- Three potential-free switching relays to activate equipment/accessories

EDI will measure down to PM 2.5 particle size fume and dust and advise when exposure levels have been breached.

EDI will measure the noise level at any time and advise if levels are infrequent or consistent.

EDI will measure the working area temperature at all times of the year and records throughout.

EDI will measure the humidity levels applicable within the workplace.

EDI will store data and provide a calibrated annual report on all areas measured. It will also provide immediate notification by traffic lights and email.

Extractability™

Ordering Information

Description	Part Number
ProtectoScan EDI Unit	**EXT201701402111**
Air Controller for EDI	**EXT201701502111**

Technical Specifications

ProtectoScan EDI

WiFi Lan Standard	2.4 GHz IEEE 802.11n/ 1 Gbps IEEE 802.3
Weight (kg)	12
Casing	metal, IP20
Voltage Supply	230 VAC, 50 Hz
Storage Temperature	-40°C up to +70°C
Operating Temperature	-10°C up to 60°C
Mounting Height	up to 2000 m above mean sea level
Temperature	range -10°C up to + 60°C (accuracy ± 1°C)
Air Humidity	10% up to 80% (accuracy ± 5%)
	80% up to 95% (accuracy ± 7%)
Dimensions (mm,)	570(w) x 250(d) x 223(h)
Particle size	from PM 2.5
Density	0 mg/m3 - 15 mg/m3 (accuracy ± 0,1 mg/m3)
Sound Level	40 dB - 110 dB (accuracy ± 5 dB)
Internal Fuse	microfuse 5x20 mm, 1,6 A/250V