

# TracXP™

Industrial Gas Solutions  
by Macurco

TracXP is the industrial products division of Macurco Gas Detection, who has been providing gas detection solutions for 50 years. The TracXP line addresses special hazard applications including harsh industrial environments and hazardous locations with a comprehensive line of wired and wireless gas detection solutions.



TXP-FDE-IR3 Simulator

The TXP-FDE Flame Simulator provides fast and convenient detector verification in the field.

## TXP-FDE Simulator Kit

Includes simulator, carry case, battery charger, wrench and allen key

Flame simulators are often used by industry to perform detector testing during commissioning and periodic system testing. The TXP-FDE simulators are inexpensive, lightweight and simple to use. The modern ergonomic design, with alignment markers, allows accurate, fast and convenient detector performance verification. Suitable for use in hazardous areas, the TXP-FDE flame simulators can be used at distances of up to 23 feet (7 meters) from the detector.

Three different models are available for testing each type of TXP-FDE Flame Detector (IR3, IR3-H2 and UV-IR).

All TXP-FDE flame detectors perform automatic self-tests of their optics, windows, electronics and software. Additionally, the TXP-FDE flame detectors can be manually put into alarm via the PC communicator software or by short circuiting the "Manual BIT" terminal and the "24 VDC (-)" terminal for one second. The TXP-FDE flame test simulators are designed to complement these inbuilt features by providing a fully external loop test capability.

### Key Features

- Complementary to TXP-FDE Detector built-in test features enables full end to end system tests
- Inexpensive, lightweight and simple to use for reduced initial and ongoing maintenance costs
- Activation of test from up to 23 feet (7 meters) reduces need for scaffolding
- Hazardous area use approval reduces time-consuming hot work permits
- Device is ready to use when you are with more than 1,000 activations between charges
- Includes carrying strap, protective storage case, battery charger and operating instructions
- Easy to transport and supplied with everything you need

### Applications

- Oil & Gas
  - Upstream
  - Mid-stream
  - Downstream
- Refining & chemical production
- Water / waste water treatment plants
- Food & beverage facilities
- Metal manufacturing
- Pulp & paper
- Power generation
- General industry

# TXP-FDE Simulator Kit

## Specifications

Simulator Kit Part Numbers		TXP-FDE IR3 Kit		TXP-FDE IR3-H2 Kit		TXP-FDE UV/IR Kit	
	Detector Type	TXP-FDE IR3		TXP-FDE IR3-H2		TXP-FDE UV/IR	
		TXP-FDE IR3-HD		TXP-FDE IR3-H2-HD		TXP-FDE UV/IR-HD	
Operation Distances	Detector Sensitivity	ft.	m	ft.	m	ft.	m
	Extreme	23.0	7.0	23.0	7.0	21.3	6.5
	High	16.0	5.0	16.0	5.0	16.0	5.0
	Medium	10.0	3.0	10.0	3.0	13.0	4.0
	Low	3.3	1.0	3.3	1.0	3.3	1.0
Electrical Specifications	Operating Voltage nominal, V	3.7		3.7		3.7	
	Number of Activations between charging	~1000		~1000		~50	
	Battery Capacity, mAh	>3000		>3000		>3000	
	Charging time, hours	up to 3		up to 3		up to 3	
	Indication	3 color LED (Green, Yellow, Red)					
All Simulator Models							
Mechanical Specifications	Size	3.9 x 3.9 x 7.8” (100 x 100 x 200mm)					
	Weight	3.96 lbs. (1.8 kg)					
	Simulator Enclosure Material	Painted Aluminum LM25					
Environmental Specifications	Ingress Protection	IP65 (NEMA 4X)					
	Humidity	up to 99% (RH), non-condensing					
	Operating temperature	Min: -4°F (-20°C) Max: +122°F (+50°C)					
Approvals	Explosion proof	ATEX Ex II 2 G Ex db ib op is IIC T6 Gb Ex II 2 D Ex tb ib op is IIIC T85°C Db -20°C<Ta<+50°C					
Included in Kits	Carrying case, carrying strap, cover tool, allen key, battery charger and spare battery						
Warranty	3 Years						

Represented By:

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