Chentronics®
IGNITING INNOVATION

iScan3+ Flame Scanner



Brand and new features for the most advanced flame scanner.

The new iScan3+ builds upon the proven performance of the iScan series of flame scanners. Upgraded electronics, the addition of onboard memory, improved ring of light, upgraded internal flame relays, Bluetooth connectivity, improved high temperature rating, and a feature-rich mobile application set this scanner apart from the competition. The iScan3+ is ready for anything from simple drop-in replacement of an iScan3 to the most advanced applications.

At A Glance

- iScan3+ is backwards compatible with iScan2 & iScan3 installations
- Simultaneous UV and IR radiation spectra detection capability
- Electronics self-checking ensures fail-safe operation & compliance
- Single-burner (SB) and Multi-burner (MB) models.
  - SB is plug and play, requiring no configuration.
  - MB is configurable for complex background radiation applications
- Fiber optic version available
- Bluetooth capable models compatible with the iScan app
- DC over, under and reverse voltage protection
- MODBUS Compliant Communication
- NEW upgraded flame relays
- NEW high temperature rating of 85°C
- NEW service tools through the mobile application
- NEW Ring of Light indications when approaching temperature limits

NEW

iScan Live Mobile App

- View and record Live Scanner Data
- Save and replay optimized target burner recordings
- Real-time view to aide in commissioning
- Automatic event logging
- Simple service & support through the application

GET IT ON Google Play Download on the App Store



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Chentronics is an ISO 9001:2015 Certified, global leader with over 50 years of ignition innovation and flame assurance solutions for natural gas, light oil, diesel, and residual fuel.

iScan3+ Flame Scanner Specifications

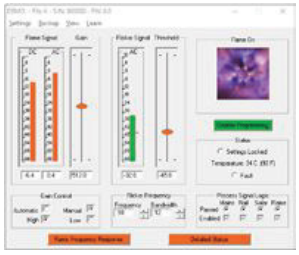


Flame Sensor	Combination UV/IR Solid State Sensor
Power	24 VDC, +%/-150/o, 5.0W, (208mA)
Electrical Connection	Quick-disconnect cable at selectable lengths from 10-250 ft. (3.1-76.2 m); 19 conductor, shielded
Mounting	Quick connect via 1" cam-and-groove hose coupling
Dimensions/Weight	Diameter 3.5 in (66.9 mm) Length: 8.00 in (203 mm) / 3.3 lb (1.5 kg)
Operating Temperature	Ambient -40°C to 85°C (-40°F to 185°F)
Relay Output	Dual internal flame relays with redundant N.O. / N.C. voltage free (dry) contacts. Secondary Relay has 2 configurable modes: Mode 1) N.O. contact (open when power off) – Open indicates Fault. Mode 2) N.O. contact (open when power off) – Closed indicates Fault. Relay ratings: 1.0 A @ 24 VDC Resistive Load†, 0.5 A @ 48 VDC Resistive Load†, 0.25 A @ 125 VAC Resistive Load. NOTE: To achieve higher relay contact voltages, use the relay contacts to energize the coil of an interstitial relay. † SELV Compliant
Analog Output	One 4-20 mA output for flame intensity One 4-20 mA configurable output for internal scanner temperature or gain level Output(s) are current-sourced, 1000 ohm maximum load
Indicator Light Ring	Highly visible, multi-color display indicates signal level of the two 4-20mA outputs and flame on/off status
Communications	RS-485 - up to 127 scanners
Relative Humidity	100%, condensing
Enclosure	NEMA Type 4x, IP66, Class 1, Divison II: Groups A, B, C, D (IECEx and ATEX)
Approvals	cETLus (Intertek Certified per CSA and UL Standards), IECEx, ATEX, CE, and ABS. iScan3 flame scanners are tested and verified by Nationally Recognized Test Labs (NRTLs); CERTIFIED TO UL 60730-2-5

Scanner Bar Graph Overview Icon



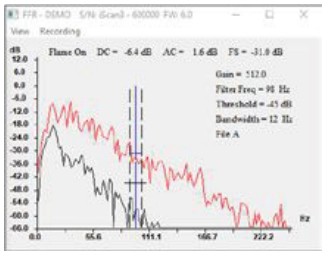
Setup/Control Panel



Target Burner Flame ON Frequency Spectrum (Live)

Background Flame OFF Frequency Spectrum

(Memorized & Overlay) for Comparison



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