

# FP56 5G2



## FP56 5G2

ISL's FP 56 5G2 brings safe, precise Tag flash point testing to your lab workflow with a conveniently compact design. Its automation increases your laboratory's productivity, greatly improves repeatability and reproducibility, and in addition make it easy to operate. Simply select from a list of pre-programmed testing conditions, then press the test button.

Test progress is displayed in real time on the local screen. The FP56 5G2's extensive local data storage is further supplemented by LIMS export capabilities, while ALAN™ enables multi-instrument networking with centralized operation control and data management. With instant colling initiation, the FP56 5G2 is ready to start another test within minutes.

ISL offers ultimate versatility to suit your unique gas and/or electric ignition testing preferences and need, with 20 standard and pre-programmed testing profiles. Sophisticated quality control features — including traceable automatic calibrations with lock-out control, and automated quality verification — comply with ISO 9000 quality system requirements.

### ADVANTAGES

- Simple 1-button test initiation
- Protected thermal flash detection
- Enhanced quality and calibration features
- Automatic lighting and monitoring of test flame
- Stand-alone operation or multi-instrument networking with ALAN™

### APPLICATION RANGE

- Volatility
- Petroleum Products
- Solvents
- Chemicals

### STANDARD METHODS

- ASTM D56
- IP 304



U.S.A.  
PAC, LP | 8824 Fallbrook Drive | Houston, Texas 77064  
T: +1 800.444.TEST | O: +1 281.940.1803 | F: +1 281.580.0719  
sales.usa@pacpl.com | service.usa@pacpl.com

FRANCE  
BP 70285 | Verson | 14653 CARPIQUET Cedex  
T: +33 231 264 300 | F: +33 321 266 293  
sales.france@pacpl.com | service.france@pacpl.com

GERMANY  
Badstrasse 3-5 | P.O.Box 1241 | D-97912 Lauda-Königshofen,  
T: +49 9343 6400 | F: +49 9343 640 101  
sales.germany@pacpl.com | service.germany@pacpl.com

SINGAPORE  
61 Science Park Road | #03-09/10 The Galen  
Singapore Science Park III | Singapore 117525  
T: +65 6412 0890 | F: +65 6412 0899  
sales.singapore@pacpl.com | service.singapore@pacpl.com

NETHERLANDS  
P.O.Box 10.054 | 3004 AB Rotterdam  
Innsbruckweg 35 | 3047 AG Rotterdam  
T: +31 10 462 4811 | F: +31 10 462 6330  
sales.netherlands@pacpl.com | service.netherlands@pacpl.com

RUSSIA  
Shabolovka Street | 34, Bldg. 2 | 115419 Moscow  
T: +7 495 617 10 86 | F: +7 495 913 97 65  
sales.russia@pacpl.com | service.russia@pacpl.com

CHINA  
Room 1003, Sunjoy Mansion | No. 6 RiTan Rd.  
Chao Yang District | Beijing 100020  
T: +86 10 650 72236 | F: +86 10 650 72454  
sales.china@pacpl.com | service.china@pacpl.com

INDIA  
1508 | Dev Corpora | Pokhran Road No.1  
Eastern Express Highway | Thane (W) - 400 601  
T: +91-22-6700 4848 | F: +91-22-4228 4950  
sales.india@pacpl.com | service.india@pacpl.com

MIDDLE EAST  
A1 Quds Street, A1 Tawar road | LIU#H13 Dubai Airport Freezone  
Near Dubai Airport (terminal 2) | P.O.Box #54781 | Dubai, UAE  
T: +971 04 2947 995 | F: +971 04 2395 465  
sales.middleeast@pacpl.com | service.middleeast@pacpl.com

SOUTH KOREA  
#621 World Vision Building | 24-2, Youido-dong  
Seoul 150-010  
T: +82 2785 3900 | F: +82 2785 3977  
sales.southkorea@pacpl.com | service.southkorea@pacpl.com

THAILAND  
26th Floor, M. Thai Tower | All Seasons Place  
87 Wireless Road | Lumpini, Phatumwan | Bangkok 10330  
T: +66 2627 9410 | F: +662627 9401  
sales.thailand@pacpl.com | service.thailand@pacpl.com

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## ISL by PAC

ISL is a global provider of scientific apparatus and instruments for testing petroleum and petrochemical products in the lab and online. More than 20 automatic analyzers bearing the ISL brand are recognized for increasing test precision, boosting laboratory efficiency and reducing costs.

## UNPARALLELED VERSATILITY, ABSOLUTE SIMPLICITY

Easy test initiation by factory pre-installed test method.

Capability to customize test methods and conditions

- Real-time display during testing, viewable from 5 meters (16½ ft.)
- On-screen run mode customization
- Quickly configurable gas or electric ignition
- Automatic lighting and test flame monitoring
- Automatic cooling after test completion, by solid-state bath

## ENHANCED QUALITY FEATURES

- Built-in sensor for automatic barometric pressure correction
- Automatic, time-recorded calibrations with lock-out control
- Provides warning message when result is out of specification

## SAFE, DEPENDABLE OPERATION

- Relights flame, if necessary, during operation and suppresses gas source at end of test
- Automatic fire detection system with external fire alarm connection
- Over-heating detection with automatic heat shut-off during test
- Automatic cup/cover positioning detection

## OPTIONAL PC CONTROL & MULTI-INSTRUMENT NETWORKING

- Centralizes control and data management of up to 31 ISL ALANready™ cold behavior, distillation & flash point instruments
- Automatically stores results to database; sorting, filtering capabilities
- Transmits results to external computer, network or LIMS with data extraction mask for each test program

## SPECIFICATIONS

Ordering Information	
FP56 5G2	Automated Flash Point Analyzers (standalone operation)
Test Methods	Standard: ASTM 56; IP304 Customized: User, Fast, Pass/Fail and Search methods
Patents and Certifications	Compliance CE and ISO9000
Operation	
Analytical principle	Tag Closed Cup
Ignition system	Interchangeable gas/electric
Flash detection	Thermal (standard, compatible with water or silicon contained samples) or Ionization ring (optional)
Cooling	Tap water or optional external recirculating chiller bath
Heating Rate	2 programmable rates: 1°C/min and 3°C/min
Calibration	Automatic and time-recorded calibration, programmable calibration frequency with lock-out control
Application range	-25 to +93 °C (-13 to 200°F)
Sample temperature measurement *	Pt 100 glass probe Offset capability with correction table (21 points from -80°C up to 300°C).
Barometric pressure correction	Parallel (Centronics®) Automatic correction with built-in pressure gage
Data Management	
Documentation	Real-time display on screen of test progress Results Instant Report in °C or K (visible from more than 5m)
Internal Memory	20 sample specifications, 20 operator names, 20 test methods and 550 tests results. Statistics: computation of average, minimum, maximum values and standard deviation
Gas type	Butane or propane gas source
Gas supply	Maximum pressure of 40 mbar
Cooling Supply	Temperature of the cooling liquid must be 20°C lower than the Expected Flash Point (EFP)
Voltage	115 and 230 V
Frequency	50 / 60 Hz
Power	350 W
Interface Specifications	
Display	LCD, ¼ VGA monochrome Alphanumeric keypad with dedicated function keys
Data input/output	Centronics® parallel link for text printer (40 columns). RS232C serial link for direct connection to LIMS or external PC ISL ALAN Suite connection for multi-instrument networking
Environmental Condition and Physical Specs	
Operating temperature	15 to 35°C (50 to 104°F)
Humidity	Relative humidity: up to 80% at 35°C (not condensing)
Storage temperature	-20 to 40°C (-4 to 104°F)
Dimensions	360 x 550 x 350 mm (14 x 21 x 14 inch)
Weight	25 Kg (55 lbs)