



**APPLICATIONS:**

# Volatility

PETROLEUM PRODUCTS

SOLVENTS

CHEMICALS

**ADVANTAGES:**

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



## AUTOMATED FLASH POINT Tag Closed Cup Tester

### FP 56 5G2

ISL's FP 56 5G2 brings safe, precise Tag flash point testing to your lab workflow with a conveniently compact design engineered for ultimate ease of operation. Its automation **increases your laboratory's productivity** and **greatly improves repeatability and reproducibility**. And operation couldn't be easier! Simply select from a list of pre-programmed testing conditions, then press the *Test* key. Test progress displays in real time on the easily viewable screen. The FP56 5G2's **extensive local data storage** is further supplemented by **LIMS export capabilities**, while the addition of ALAN™ enables multi-instrument networking with centralized operation control and data management. With cooling immediately initiated, the FP56 5G2 is ready to **begin another test in minutes**.

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

**METHODS:**

ASTM D 56

# ISL FP56 5G2 AUTOMATED TAG CLOSED CUP

## Maximum flexibility, precision, safety

### SPECIFICATIONS

<b>Ordering Information</b>	FP56 5G2 Automated Tag Flash Point Tester includes LCD display and alphanumeric keypad with dedicated function keys. Select from: Ignition – interchangeable gas/electric Temperature Measurement – PT100 probe, delivered with calibration certificate
<b>Test Methods</b>	Standard ASTM D 56 Customizable User, Fast, Pass/Fail and Search methods
<b>Operation</b>	Temperature Range -25°C to 93°C (-13° to 200°F) Heating Rate 2 programmable rates: 1°C/min and 3°C/min Detection Protected thermal detection Cooling Tap water or optional external recirculating chiller bath Password Security Multi-level password protection
<b>Calibration &amp; Diagnostics</b>	Automatic calibration with programmable frequency 21-point probe offset correction table Automatic diagnostic routines on analyzer functions Upload/download service features via PC; calibration parameters and unit program backup/restore feature
<b>Documentation</b>	Real time on-screen display of test progress; stores 550 tests, 20 sample specifications, 20 operator names and 20 different test methods Statistics Reports Automatic results barometric pressure correction according to method; computation of average, minimum & maximum values, and standard deviation Data Input/Output RS 232C and PC ALAN™ connections standard Printer Output Parallel (Centronics®)
<b>Utility Requirements</b>	Electrical 115/230 VAC; 800 W; 50/60 Hz; conforms to CE Gas (gas ignition only) butane or propane source, 40 mbar maximum pressure Dimensions 36cm W x 48cm D x 33cm H (14" x 20" x 13") Weight 22 kg (48 lbs) Operating Environment 15 to 35°C (60 to 95°F)
<b>Optional Accessories</b>	ALAN™ Software Automatic Laboratory Analyzer Network. Enables multi-analyzer networking with centralized operation, data management, and results export directly to a LIMS system according to specific customized criteria with user defined protocol. Draft Shield Polymethacrylat shield protects flame from draft Gas Reducer Gas pressure regulator Compact Cryostat External cooling unit; various models available

### UNPARALLELED VERSATILITY, ABSOLUTE SIMPLICITY

- Test initiated by selecting sample name from pre-programmed list - preset & programmable test methods: search, fast and pass/fail
- Real-time display during testing, viewable from 5 meters (16½ ft.)
- Multi-language user interface
- On-screen run mode customization
- Quickly configurable gas or electric ignition
- Automatically lights test flame
- Solid state cooling bath

### POWERFUL PRECISION, 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

- Endurance tested and proven for long-term 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
- Quality construction and dependable operation backed by a limited parts and service warranty
- Expert sales and service from PAC's worldwide network of factory trained authorized representatives

### 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
- Compatible with other Windows-based applications

Due to continuing product development, specifications subject to change at any time without notice. 

### FOR ADDITIONAL INFORMATION:

AMERICAS:

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