



Product Overview

Value Proposition

- Meets intrinsically safe certifications from all major safety agencies for Class I Div 1 and Div 2 or Zone 1 and 2 hazardous environments.
- One tool suitable for use anywhere in the world.
- Ideal for petroleum, chemical, oil & gas, or pharmaceutical environments.

Product Highlights

- Measure -40 °C to 800 °C (-40 °F to 1472 °F) with ± 1 % measurement accuracy
- Conductive case for carrying into hazardous areas
- Access advanced features easily with soft-keys and graphical display
- Accurate measurements from further away, with 50:1 distance-to-spot ratio
- Compatible with standard K-type miniconnector thermocouple (KTC) probe
- Adjustable emissivity, built-in material table
- Capture up to 99 points of data
- Versatile interface with multiple languages (user select)
- Two-year warranty



Who will buy

Application	Segments	Temp Range	Accuracy	D:S	Opportunity
Repair and maintenance: Measure motor, pump to verify balanced phase-to- phase power distribution and proper operating temperature	Manufacturing Site	120 ° C	Low	Low - Medium	Traditional applications of IR Thermometers on equipment maintenance (electrical motor for balanced phase-to phase power distribution, motor bearings, motor winding insulation), electrical maintenance (transformers, ballasts, utilities, uninterruptible power supplies), and process/product monitoring temperature on production line such as rubber to plastics can be applied using 568Ex but the operating environment is considered hazardous where inflammable gases and vapor exists which can cause explosion. Such environment usually exists in oil & gas, petrochemical, refinery, and pharmaceutical industry
Repair and maintenance: Measure panels, fuses, circuit brake, compressors, duct, vents in hard to reach areas	Installer, Contractor of Electrical/HVAC	200 ° C	Low	Medium - High	
Maintenance: Taking measurement of transformers, wires and components located high above ground.	Utilities	120 ° C	Low	High	
Maintenance & Quality control: Monitor the temperature during chemical processing	Chemical	800 ° C	Medium- high	Medium- High	
Maintenance: Exterior of the kiln temperature, Monitor the surface temperature of the reformer tubes	Petrochemical	800 ° C	Medium	Medium- High	

568 Ex will serve the needs of customers who must comply with EH&S regulations to ensure safety while operating in a hazardous environment where hazardous gases and vapor are present

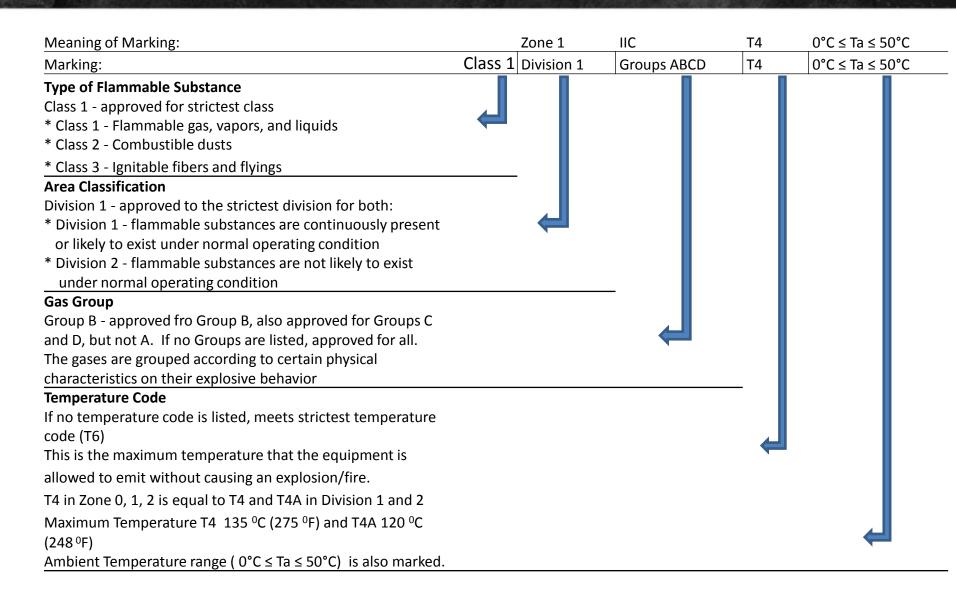


Safety Certifications

AGENCY	SAFETY RATING
ATEX/IECEX Ex Ex	Zone 1 and 2 IECEx EPS 13.0006X Ex ia IIC T4 Gb 0°C ≤ Ta ≤ 50°C EPS 13 ATEX 1.525 X II 2G Ex ia IIC T4 Gb



What does it mean?





Understanding Zone vs Division

Zone 0	Zone 1	Zone 2		
Where ignitable Where ignitable concentrations		Where ignitable concentrations of flammable		
concentrations of of flammable gases, vapors, or		gases, vapors, or liquids:		
flammable gases, liquids:		• Are not likely to exist under normal operatin		
vapors, or liquids are • Are likely to exist under		conditions		
present continuously normal operating		 Occur for only a short period of time 		
or for long periods of conditions		Become hazardous only in case of an accident		
time under normal	 May exist frequently 	or some unusual operating condition		
operating because of repair,				
conditions.	maintenance operations, or			
	leakage			
Division 1		Division 2		
Where ignitable				
concentrations of				
flammable gases,		Where ignitable concentrations of flammable		
vapors, or liquids:		gases, vapors, or liquids:		
 Are likely to exist under normal operating 		 Are not likely to exist under normal operating 		
conditions		conditions		
• Exist frequently because of maintenance/repair		 Are normally in closed containers where th 		
work or frequent equip	ment failure	hazard can only escape through accidental		
		rupture or breakdown of such containers or in		
		case of abnormal operation of equipment		

Table 2: Class 1 Group Comparison

Zone	Class/Division		
IIC - Acetylene and Hydrogen	A — Acetylene		
	B — Hydrogen		
IIB — Ethylene	C — Ethylene		
IIA — Propane	D — Propane		



Fit in product line

- 568 Ex offers
 performance similar to
 566, 568, PLUS Ex
 certification
- Range, D:S slightly under the premium 572-2 High-Temperature Infrared Thermometer
- Fluke's only intrinsically safe infrared thermometer



		Fluke 561 Infrared/Contact Thermometer	Fluke 566 Infrared/Contact Thermometer	Fluke 568 Infrared/Contact Thermometer	Fluke 568 Ex Intrinsically Safe Infrared Thermometer	Fluke 572-2 High- Temperature Infrared/Contact Thermometer
r	Temperature Range	-40 °C to 550 ° C -40 °F to 1022 °F	40 °C to 650 °C -40 °F to 1202 °F	-40 °C to 800 °C -40 °F to 1472 °F	-40 °C to 800 °C -40 °F to 1472 °F	-30 °C to 900 °C -22 °F to 1652 °F
	Distance to Spot Ratio	12:1	30:1	50:1	50:1	60:1
	Laser Sighting	Single point laser	Single point laser	Single point laser	Single point laser	Dual laser
	Emissivity	Adjustable with three settings: Low (0.3), Medium (0.7). High (0.95)	By built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01	By built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01	By built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01	Digitally adjustable from 0.10 to 1.00 by 0.01 or via built- in table of common materials
	Display Resolution	0.1°C (0.1 °F) of reading	0.1°C (0.1 °F) of reading	0.1°C (0.1 °F) of reading	0.1°C (0.1 °F) of reading	0.1°C (0.1 °F) of reading
	Backlight Display	Yes	Two levels	Two levels	Two levels	Two levels, normal and extra bright for darker environments



Additional Features

Items Included

Fluke 568 EX Intrinsically Safe Infrared Thermometer with red holster and leather grip

- Conductive hard carrying case
- K-type thermocouple bead probe
- User's manual with safety instruction sheet
- Recommended accessories
 - 80PK-1 General Purpose Bead Probe

Following K-type probes are not Ex rated

- 80PK-8 Pipe Clamp Temperature Probe
- 80PK-9 Insulation-Piercing Probe
- 80PK-11 Type-K Flexible Cuff Thermocouple Temperature Probe
- 80PK-25 Piercing Probe
- 80PK-26 Tapered Probe
- 80PK-27 SureGrip™ Industrial Surface Temperature Probe

Service Plan

Fluke 568 Ex is backed by a two year warranty.





Order Details	568 Ex
Open for Orders	August 14
ATP	Three weeks
Sales Discounts	Same as TEMP discount
Fluke Model #	568 EX
Fluke Oracle #	4321662
UPC Code	0 95969 66613 8
Description	FLUKE-568 EX,INTRINSIC SAFE IR THERMOMETER, ATEX APPROVAL
Country of Origin	Germany
ECCN	EAR99
Harmonize	9025198080
WEEE Category	9
Dangerous Goods Category	No
Product Dimensions (H, W, D)	17.69 cm H x 16.36 cm L x 5.18 cm W (6.965 in H x 6.441 in L x 2.039 in W)
Packaging Dimensions (H, W, D)	25.2 cm L x 19.2 cm W x 6.9 cm H (9.921 in L x 7.559 in W x 2.717 H)
Product Net Weight	0.340 kg (0.7496 lb)
Package Net Weight	0.968 kg (2.134 lb)
Battery Type	AAA
IEC Designator	LR03
Cell Mass (g)	12
Rechargeable?	No
Dimensions (H, W, D)	45 mm x 10.5 mm x 10.5 mm (1.77in x .41 in x .41 in)
Safety and Compliance	IEC 60825-1; FDA Laser Class II; EMC 61326-1; CE Complaint
	Authorised Distributor: PAMPMECH

Authorised Distributor:



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