

Part No.

# FLHT-KIT1-GV

*Hydrostatic test kit, 10,000 psi / 70 MPa FieldLab, 1 Field Gauge thermal probe with (W1) wireless*

Kit for testing pipelines, meter skids and valves. Includes 1 FieldLab with wireless connection, 1 wireless enabled LC20 thermal probe and comes in a case with all accessories.



FLHT-KIT1-GV

## Included Items

- Pressure Reference - FieldLab Pressure, 10,000 psi / 700 bar / 70 MPa, 1/4" Male NPT bottom connection, Wireless module installed (FLP1-GV-2M-W1)
- Thermal Probe - LC20 Field Gauge temperature probe, 1/4 in diameter, 12 in long, bottom mounted, Zigbee radio (LC20-TA12-00-W1)
- Case - Hydrostatic Test Kit, Case & Foam Assembly (FLHT-CASE)
- Bag - Zippered bag to hold hose and adapters, nylon (SM-0084)

## Specs/Attributes

Number of Thermal Probes	1
Weight	12 lbs / 5.53 kg
Dimensions	H: 17.5 in (44.45 cm) x W: 14.2 in (36.07 cm) x D: 7.5 in (19.05 cm)

## Pressure Reference FLP1-GV-2M-W1

Accuracy - Pressure Measurement	+/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale)
Battery Count	1
Battery Life	1000 Hours
Battery Type	Lithium Ion rechargeable, 4.8 Ah Capacity
Burst Pressure	40000 PSI / 2760 bar / 275 MPa
Calibration Certificate	NIST traceable (included)
Certifications	Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, North America - Class 1 Division 1 Groups A-D, T4, (-10 < Ta < 50 °C), ATEX - Ex II 1 G Ex ia IIC T4 Ga (-10 < Ta < 50 °C), IECEx - Ex ia IIC T4 Ga (-10 < Ta < 50 °C), UN/DOT 38.3 (Lithium Batteries), Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU

## Pressure Reference FLP1-GV-2M-W1

Country Adapters	North America, Europe, United Kingdom, Australia, China
Country of origin	USA
Datalogging	2 million points (onboard)
Engineering Units	atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm <sup>2</sup> , mmHg @0°C, Torr, ftH2O @39°F, cmHg @ 0°C, oz / in <sup>2</sup>
Harmonized Code	9026.20.0000
Ingress Protection	IP67 (1 meter water submersion for 30 minutes)
LCD Display	3.5 in / 90mm Color TFT LCD Display
Materials	Reinforced Polyamide
Max Operating Temperature	120 °F / 50 °C
Max Pressure	10000 PSI / 700 bar / 70 MPa
Max Storage Temperature	165 °F / 75 °C
Measurement Type	Gauge Pressure
Min Operating Temperature	14 °F / -10 °C
Min Storage Temperature	-20 °F / -29 °C
Mounting Holes	3 x M5 Inserts (10 mm deep)
Operating Altitude (max)	10,000 ft (3050 m)
Power Input	90-264 VAC, 50-60 Hz
Primary Power	Battery Power
Process Connection	1/4" Male NPT
Protection Class	Pollution Degree 2 (UL / IEC 61010-1)
Relative Humidity	0% to 90% (-10 to 35 °C) , 0% to 70% (35 to 50 °C)
Seal Materials	Teflon, Viton
Sensor Type	High Precision MEMS
Temperature Compensation	14 to 122 °F (-10 to 50 °C)
USB Connection	USB (Type B)
W1 Radio Installed	Yes
Wetted Materials	316 Stainless Steel
Wireless Range	500 ft / 155 m
Weight	2.58 lbs / 1.17 kg
Dimensions	H: 9 in (22.86 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm)

## Thermal Probe LC20-TA12-00-W1

Battery Count	2
Battery Life	1000 Hours
Battery Type	AA Alkaline (IEC-LR6)
Calibration Certificate	NIST traceable (included)

### Thermal Probe LC20-TA12-00-W1

Certifications	Certified to CSA Standard C22.2 No. 61010-1, Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU
Country of origin	USA
Datalogging	PC based (via USB)
Electrical Rating	50 mA @ 5 VDC
Harmonized Code	9026.20.0000
Ingress Protection	IP67 (1 meter water submersion for 30 minutes)
LCD Display	2.4 in / 61 mm segmented LCD Display
Materials	ABS / Polycarbonate Blend, Powder Coated Aluminum
Max Operating Temperature	120 °F / 50 °C
Media Compatibility	Inert Gas, Natural Gas, Petroleum Based Oil, Water
Min Operating Temperature	-4 °F / -20 °C
Panel Mount	No
Primary Power	Battery Power
Protection Class	Pollution Degree 2 (UL / IEC 61010-1)
Radio Approvals	FCC ID VW4A091732, IC ID 11019A-091732
Radio Type	RI Wireless (Long Range)
Temperature Compensation	None
USB Connection	USB (Micro B)
W1 Radio Installed	Yes
Wetted Materials	316 Stainless Steel
Wireless Range	330 ft / 100 m
Weight	12.4 oz / 350 grams
Dimensions	H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 14.1 in (35.81 cm)

### Case FLHT-CASE

Weight	8.00 lbs / 3.63 kg
Dimensions	H: 17 in (43.18 cm) x W: 14.2 in (36.07 cm) x D: 7.5 in (19.05 cm)

### Bag SM-0084

Materials	Zippered Nylon
Country of origin	USA
Weight	3 oz / 85 grams
Dimensions	H: 6 in (15.24 cm) x W: 1 in (2.54 cm) x D: 7 in (17.78 cm)