

Part No.

# FLHT-KIT2-GR

*Hydrostatic test kit, 3000 psi / 20 MPa FieldLab, 2 Field Gauge thermal probes with (W1) wireless*

Kit for testing pipelines, meter skirts and valves. Includes 1 FieldLab with wireless connection, 2 wireless enabled LC20 thermal probes and comes in a case with all accessories.



FLHT-KIT2-GR

## Included Items

- Thermal Probe - LC20 Field Gauge temperature probe, 1/4 in diameter, 12 in long, bottom mounted, Zigbee radio (LC20-TA12-00-W1)
- Pressure Reference - FieldLab Pressure, 3000 psi / 200 bar / 20 MPa, 1/4" Male NPT bottom connection, wireless module installed (FLP1-GR-2M-W1)
- Case - Hydrostatic Test Kit, Case & Foam Assembly (FLHT-CASE)
- Bag - Zippered bag to hold hose and adapters, nylon (SM-0084)
- Thermal Probe - LC20 Field Gauge temperature probe, 1/4 in diameter, 12 in long, bottom mounted, Zigbee radio (LC20-TA12-00-W1)

## Specs/Attributes

Number of Thermal Probes	2
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)

## Thermal Probe LC20-TA12-00-W1

Accuracy - Temperature Measurement	+/- (0.15 +0.002* t )°C (IEC 60751 Class A)
Battery Count	2
Battery Life	1000 Hours
Battery Type	AA Alkaline (IEC-LR6)
Calibration Certificate	NIST traceable (included)
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

## Thermal Probe LC20-TA12-00-W1

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
Max Probe Temperature	300 °F / 150 °C
Measurement Type	Temperature
Media Compatibility	Inert Gas, Natural Gas, Petroleum Based Oil, Water, Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Mineral Oil, Skydrol, Windshield washer fluid, Transmission fluid, Light motor oil, Ralston Calibration Oil
Min Operating Temperature	-4 °F / -20 °C
Min Probe Temperature	-22 °F / -30 °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
Temperature Units	°C, °F, K, R
Thermal Probe	1/4 in / 6.35 mm diameter, 12 in / 30.5 cm long, bottom mount
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)

## Pressure Reference FLP1-GR-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	12000 PSI / 825 bar / 83 MPa
Calibration Certificate	NIST traceable (included)

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

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
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
LCD Display	3.5 in / 90mm Color TFT LCD Display
Materials	316 Stainless Steel, Reinforced Polyamide
Max Operating Temperature	120 °F / 50 °C
Max Pressure	3000 PSI / 200 bar / 20 MPa
Max Storage Temperature	165 °F / 75 °C
Measurement Type	Gauge Pressure
Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
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)

## Case FLHT-CASE

Weight	8.00 lbs / 3.63 kg
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**Case** FLHT-CASE

Dimensions	H: 17 in (43.18 cm) x W: 14.2 in (36.07 cm) x D: 7.5 in (19.05 cm)
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**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)