

# DataTrace® Data Loggers

## MicroPack Radio Frequency (MPRF)

Adaptable to almost any situation, the MPRF Temperature data logger's small size increases versatility and precision by allowing you to position the data logger very near or inside your target products.

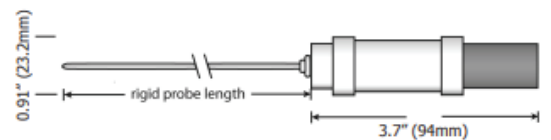
- + Wireless Temperature Data Loggers
- + 10 Point Temp NIST Traceable Calibration
- + Real-Time Data
- + FDA 21 CFR Part 11 compliant software

### Complete Monitoring System Loggers

All MPRF Loggers require an Interface/Host System, which includes robust DT Pro software, an interface/host module and cable. DT Pro software operates with any combination and number (up to 250) of DataTrace Temperature, Humidity and Pressure Loggers. So instead of dealing with the expense and confusion of disparate monitoring systems, users can validate, monitor, log and analyze data for multiple process parameters using a single integrated, powerful and complete solution.



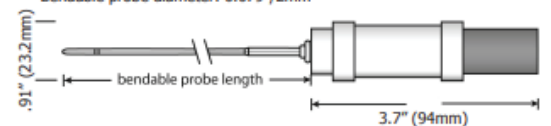
Product Specifications	
<b>Operating Temperature</b>	-80°C to +140°C (-112°F to +284°F)*
<b>HiTemp***</b>	+100°C (+212°F) to +360°C (+680°F) w/Thermal Pack
<b>HiTemp EXT***</b>	-40°C (-40°F) to +400°C (+752°F) w/Thermal Pack
<b>Temperature Accuracy</b>	-80°C to -40°C (-112°F to -40°F): ±0.3°C (±0.5°F) -40°C to +140°C (-40°F to +284°F): ±0.1°C (±0.2°F)
<b>Operating Pressure</b>	2.4 GHz ISM Band feet (30 meters) Line of Sight
<b>Size</b>	Width: 0.91 in (23.2mm) Length: 3.7 in (94mm)**
<b>Weight</b>	2.3 oz (66 grams)**
<b>Material</b>	316 stainless steel and ULTEM
<b>Rigid probe diameter</b>	0.125"/3.2mm or .188" (4.76mm) available
<b>Bendable probe diameter</b>	0.079"/2mm



Probes available in the following lengths:

**Rigid:** 2" (51 mm), 3" (76 mm), 4" (102 mm), 5" (127 mm), 6" (152 mm)  
Rigid probe diameter: 0.125"/3.2mm or .188" (4.76mm) available

**Bendable:** 10" (254 mm), 14" (355.6 mm), 25" (635 mm)  
Bendable probe diameter: 0.079"/2mm



Rev.10.2022

# Micropack RadioFrequency (MPRF) Loggers

Loggers ensure precise monitoring across broad temperature changes. ATEX-certified for intrinsic safety, and FCC Class B Part 15-compliant with 100 ft wireless range

Part Number	Logger Type	Probe Length (Inches)	Temperature Range	Tip Diameter
227110-2IS-R	MPRF Temp Rigid	2"	-20°C (-4°F) to +140°C (+284°F)	1/8" Taper Tip
227110-3IS-R	MPRF Temp Rigid	3"	-20°C (-4°F) to +140°C (+284°F)	1/8" Taper Tip
227110-4IL-R	MPRF Temp Rigid	4"	-80°C to +140°C (-112°F to +284°F)	1/8" Taper Tip
227110-4IS-R	MPRF Temp Rigid	4"	-20°C (-4°F) to +140°C (+284°F)	1/8" Taper Tip
227110-5IL-R	MPRF Temp Rigid	5"	-80°C to +140°C (-112°F to +284°F)	1/8" Taper Tip
227110-5IS-R	MPRF Temp Rigid	5"	-20°C (-4°F) to +140°C (+284°F)	1/8" Taper Tip
227110-6IL-R	MPRF Temp Rigid	6"	-80°C to +140°C (-112°F to +284°F)	1/8" Taper Tip
227110-6IS-R	MPRF Temp Rigid	6"	-20°C (-4°F) to +140°C (+284°F)	1/8" Taper Tip
227110-XXL-R	MPRF Temp Rigid	Custom	-80°C to +140°C (-112°F to +284°F)	1/8" Taper Tip
227110-XXS-R	MPRF Temp Rigid	Custom	-20°C (-4°F) to +140°C (+284°F)	1/8" Taper Tip
227180-4IS-R	MPRF Temp Rigid	4"	-20°C (-4°F) to +140°C (+284°F)	3/16" Taper Tip
227180-5IS-R	MPRF Temp Rigid	5"	-20°C (-4°F) to +140°C (+284°F)	3/16" Taper Tip
227180-XIS-R	MPRF Temp Rigid	Custom	-20°C (-4°F) to +140°C (+284°F)	3/16" Taper Tip
235001-541-R	MPRF Humidity	5.61"	0°C to +85°C (32°F to +185°F)	N/A
247002-05-R	MPRF Pressure	4.62"	+25°C to +140°C (+77°F to +284°F)	N/A
227140-2ME-R	MPRF Temp SS Bendable	250mm	-40°C (-40°F) to +400°C (+752°F)	0.079"
227140-2ML-R	MPRF Temp SS Bendable	250mm	-80°C to +140°C (-112°F to +284°F)	0.079"
227140-2MS-R	MPRF Temp SS Bendable	250mm	-20°C (-4°F) to +140°C (+284°F)	0.079"
227140-3ME-R	MPRF Temp SS Bendable	350mm	-40°C (-40°F) to +400°C (+752°F)	0.079"
227140-3ML-R	MPRF Temp SS Bendable	350mm	-80°C to +140°C (-112°F to +284°F)	0.079"
227140-3MS-R	MPRF Temp SS Bendable	350mm	-20°C (-4°F) to +140°C (+284°F)	0.079"
227140-6ME-R	MPRF Temp SS Bendable	650mm	-40°C (-40°F) to +400°C (+752°F)	0.079"
227140-6ML-R	MPRF Temp SS Bendable	650mm	-80°C to +140°C (-112°F to +284°F)	0.079"
227140-6MS-R	MPRF Temp SS Bendable	650mm	-20°C (-4°F) to +140°C (+284°F)	0.079"
227140-XXE-R	MPRF Temp SS Bendable	Custom	-40°C (-40°F) to +400°C (+752°F)	0.079"
227140-XXL-R	MPRF Temp SS Bendable	Custom	-80°C to +140°C (-112°F to +284°F)	0.079"
227140-XXS-LR	MPRF Temp SS Bendable	Custom	-20°C (-4°F) to +140°C (+284°F)	0.079"
227140-XXS-R	MPRF Temp SS Bendable	Custom	-20°C (-4°F) to +140°C (+284°F)	0.079"
227144-2ML-R	MPRF Temp Dual SS Bendable	250mm	-80°C to +140°C (-112°F to +284°F)	0.079"
227144-2MS-R	MPRF Temp Dual SS Bendable	350mm	-20°C (-4°F) to +140°C (+284°F)	0.079"
227144-3ML-R	MPRF Temp Dual SS Bendable	350mm	-80°C to +140°C (-112°F to +284°F)	0.079"
227144-3MS-R	MPRF Temp Dual SS Bendable	350mm	-20°C (-4°F) to +140°C (+284°F)	0.079"
227144-6ME-R	MPRF Temp Dual SS Bendable	650mm	-40°C (-40°F) to +400°C (+752°F)	0.079"
227144-6ML-R	MPRF Temp Dual SS Bendable	650mm	-80°C to +140°C (-112°F to +284°F)	0.079"
227144-6MS-R	MPRF Temp Dual SS Bendable	650mm	-20°C (-4°F) to +140°C (+284°F)	0.079"
227144-XXE-R	MPRF Temp Dual SS Bendable	Custom	-40°C (-40°F) to +400°C (+752°F)	0.079"
227144-XXL-R	MPRF Temp Dual SS Bendable	Custom	-80°C to +140°C (-112°F to +284°F)	0.079"
227144-XXS-LR	MPRF Temp Dual SS Bendable	Custom	-20°C (-4°F) to +140°C (+284°F)	0.079"
227144-XXS-R	MPRF Temp Dual SS Bendable	Custom	-20°C (-4°F) to +140°C (+284°F)	0.079"
227199-10-R	MPRF Temp Dual MicroFlex (Silicone)	18"	-20°C (-4°F) to +140°C (+284°F)	0.079"
227199-20-R	MPRF Temp Dual MicroFlex (Silicone)	24"	-20°C (-4°F) to +140°C (+284°F)	0.079"
227199-30-R	MPRF Temp Dual MicroFlex (Silicone)	30"	-20°C (-4°F) to +140°C (+284°F)	0.079"
227199-40-R	MPRF Temp Dual MicroFlex (Silicone)	36"	-20°C (-4°F) to +140°C (+284°F)	0.079"
227199-50-R	MPRF Temp Dual MicroFlex (Silicone)	6"	-20°C (-4°F) to +140°C (+284°F)	0.079"