

# FloCal-30

## Advanced Flow Calibrator

100% Employee Owned

### Versatile Bluetooth-Enabled Multi-Flow Calibrator

The Tisch Environmental FloCal-30 is a NIST traceable advanced flow calibrator designed to calibrate ambient air sampling and monitoring instruments. Integrated Bluetooth connectivity enables seamless pairing with the FloCal-30 mobile app, allowing users to remotely view measurement data and monitor performance directly from a compatible device.

It features a crisp, sunlight-readable display indicating the volumetric and standard flow, relative humidity, temperature, and barometric pressure.

With a broad calibration range of 0.5–30 SLPM, the FloCal-30 can be used across a diverse array of instruments, delivering precise, real-time measurements in demanding environments for all standard FRM and FEM air samplers.



### Included Accessories

- NIST Calibration Certificate
- Ambient Temperature Probe
- Durable Carrying Case
- Adapter Kits
- Bluetooth Antenna
- USB-C Cable
- 3' long ¼" ID Tubing

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### Parameters

<b>Flow Range:</b>	0.5-30 SLPM	<b>Temperature Units:</b>	°C or °F
<b>Flow Range Units:</b>	LPM and SLPM	<b>Temperature Accuracy:</b>	± 0.1°C
<b>Flow Accuracy:</b>	±1.5% < 2 SLPM < ±1% of reading	<b>Display Resolution (Temp):</b>	0.1°C, 0.1°F
<b>Display Resolution (Flow):</b>	0.01 LPM	<b>Relative Humidity Range:</b>	0 to 100% non-condensing
<b>Barometric Pressure Range:</b>	400-900 mmHg	<b>Relative Humidity Accuracy:</b>	±1.5%
<b>Barometric Pressure Accuracy:</b>	± 3 mmHg	<b>Operating Temperature Range:</b>	-30°C to 60°C
<b>Display Resolution (Pressure):</b>	0.1 mmHg	<b>Operating Humidity:</b>	0 to 100% non-condensing
<b>Pressure Units:</b>	mmHg, mbar, kPa, inHg, or Pa		

### Electrical

<b>Power:</b>	Internal lithium-ion 7.4 Wh battery	<b>Battery Life:</b>	18 hours (under continuous ON condition)
<b>Charging:</b>	USB-C	<b>Recharging Time:</b>	4.5 hours (with 2A USB-C charger and device off)
<b>Display:</b>	2.3 inch TFT LCD 320 x 240 resolution		

### Connectivity

<b>Communication:</b>	Bluetooth (BLE)	<b>FloCal-30 App:</b>	Real-time monitoring of flow and system parameters
<b>User Interface:</b>	Mobile app (iOS/Android)		

### Physical

	<b>Weight</b>	<b>Width</b>	<b>Height</b>	<b>Depth</b>
<b>FloCal-30 (without adapters):</b>	15.2 oz (431 g)	2.7 inches (6.9 cm)	4.7 inches (11.9 cm)	1.3 inches (33 cm)
<b>Carrying Case with Accessories and Calibrator:</b>	5 pounds (2.25 kg)	14.3 inches (36.3 cm)	11.1 inches (28.2 cm)	4.7 inches (11.9 cm)