

Casella Tuff pump functionality matrix



Tuff Standard Pump

Simple pumps for general sampling and abatement applications. With simple flow setting and run modes only. Flow rate must be set with external calibrator or rotameter. Simple battery life indication. Fast charge and drop-in cradle charging. No upgrade to higher models

Tuff Plus Pump

Some additional features for more traceability and accuracy for industrial hygiene and abatement applications. Display of flow set point, real time flow rate, sampled volume and sample time. Fixed run duration mode. Fast charge via drop in cradle. No data logging. Upgradeable to Pro model.

Tuff Pro Pump

Designed for professional occupational and industrial hygienists for use in wider variation of sampling applications. Intelligent fuel gauge display shows remaining run time. Offers TWA program mode, fixed duration and delay start/stop modes. On board data logging of last 100 events. Download to Pump Manager software. Fast charge via drop in cradle.

Pump model and functionality	Tuff Standard	Tuff Plus	Tuff Pro
Fast charge capability	✓	✓	✓
Drop in quick charging cradle	✓	✓	✓
Battery charge status indicator	✓	✓	✓
Simple battery level display	✓	✓	
Ext. flow setup with separate calibrator	✓		
Simple flow setup	✓		
Live flow rate		✓	✓
Real flow display		✓	✓
Real time clock		✓	✓
Sampled volume display		✓	✓
Flow set point display		✓	✓
Fixed run duration with auto-off mode		✓	✓
Intelligent battery fuel gauge display			✓
Delay start and stop timers			✓
TWA mode with automatic on/off			✓
Download data via infra red interface			✓