

Langham Industrial Controls Ltd.

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LHM100 HYDRANT FLOWMETER

with **ABB** AquaMaster 3

Specification

Meter	Electromagnetic ABB Aquamaster 3
Outlet Position	Raised above sensor to give low flow accuracy
Inlet Connection	Male 2.5" Instantaneous
Outlet Connection	Female 2.5" Instantaneous
Auxiliary Outlet	1/4" BSP parallel female thread
Max Working Pressure *	12 Bar
Measurements **	Length 380mm (15") Width 270mm(10½") Height 485mm (19")
Weight **	9Kg (19lbs)
Pipe Material	Aluminium



Not to scale

Meter Specification

Meter	Electromagnetic ABB Aquamaster 3
Flow range	0.1 l/sec(1.5 GPM US) to > 35 l/sec(460 GPM US)
Accuracy (typical)	±0.4 % of range
Calibration Certificate	Issued with Standpipe
Battery Power	8 x 1.5v Alkaline 'D' cells
Battery Life ***	At 0° to 50°C (32° to 122°F) typically 1-2 years (user replaceable)
Pressure	External Plug-in sensor 0-16 Bar
Data Logger ****	ABB Logmaster Logging Interval 15sec to 900sec (adjustable)
Pulse Output	Forward and/or Reverse flow output
Display	LCD
Computer Connections	RS232 (via optional USB cable)
Transmitter Housing	IP68 (NEMA 6P) Stainless steel housing in thermoplastic outer cover with window, encapsulated with resin.
Temperature Ranges ***	Process 0° to 70 °C (32° to 158°F) Ambient -20° to 60 °C (-4° to 140°F) Storage -30° to 70 °C (-22° to 158 °F)

* Tested to 15 Bar

** All weights and measurements are approximate

*** Operation outside ambient temperature limits of 0 to 45 °C (32 to 113 °F) reduces battery capacity and shortens battery life

**** Typical capacity – 3 months @ 15 min intervals on Cyclic ~ 7 Days @ 1 min intervals on Cyclic