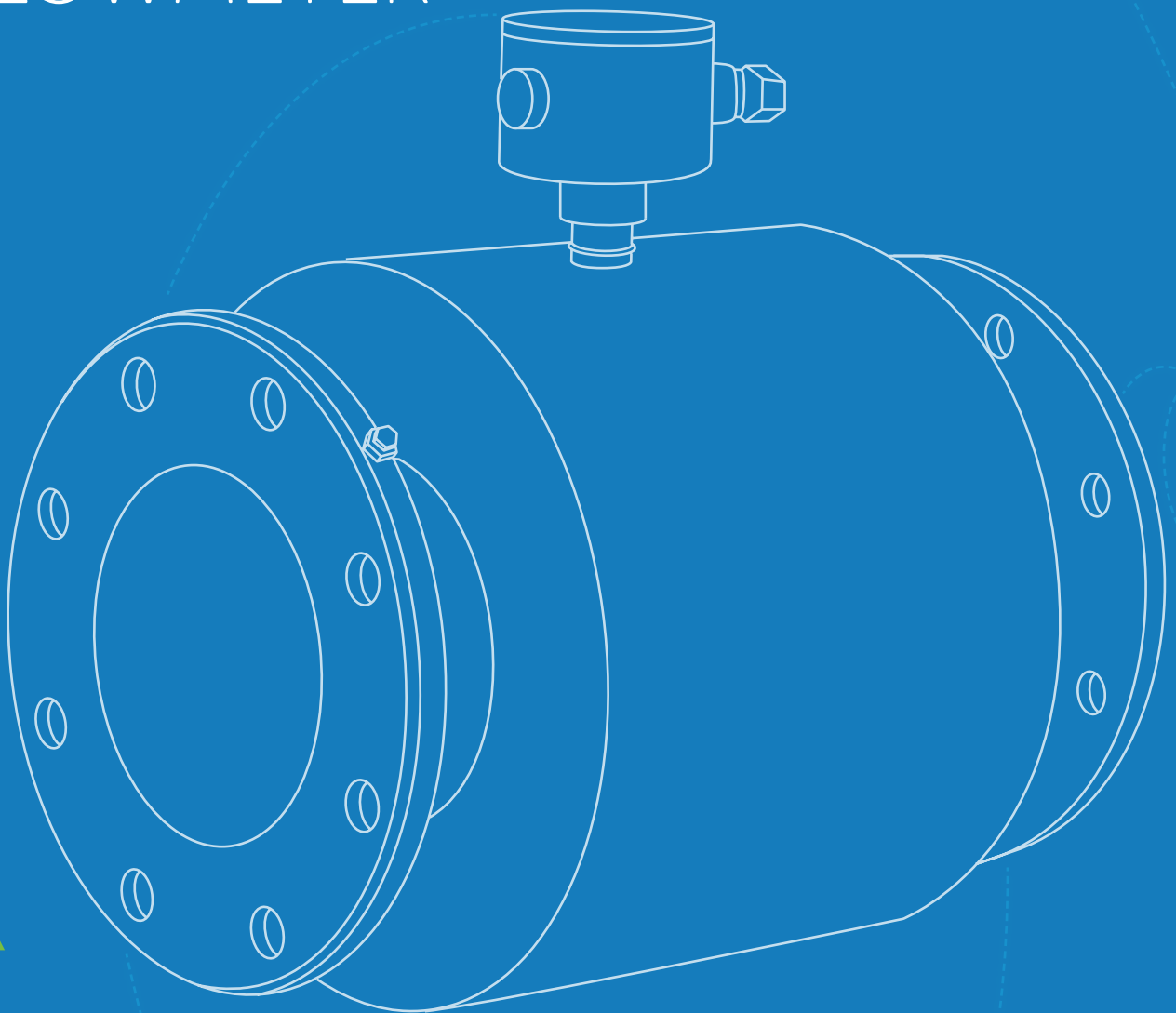




AQUAMONIX
Measure. Monitor. Master.

EMFLUX2060

STEEL BODY
ELECTROMAGNETIC
FLOWMETER



IRRIGATION
AUTOMATION



WATER
MEASUREMENT



REMOTE
MONITORING



CLOUD
BASED DATA

EMFLUX2060 Steel Body Flowmeter

The **EMFLUX2060** offers the strength and durability of steel with a choice of chemical or abrasive resistant liners, selection of wide range of flanges and electrodes.

Features

- Uses the proven electromagnetic method of flow measurement
- No moving parts
- High accuracy
- Choice of electrodes and liners
- Variety of flange types available
- Robust welded steel construction
- Submersible to 10 metres of water
- Suitable for buried service
- Minimal straight pipe requirements
- Used with the **EMFLUX1500** or **EMFLUXM500** Transmitter

General applications

- Water production and distribution
- Irrigation flow measurement
- Waste water monitoring
- Mining and industrial

Installation Requirements

Detector

Mounts directly into the process pipeline and can be installed in horizontal, vertical or sloped pipelines.

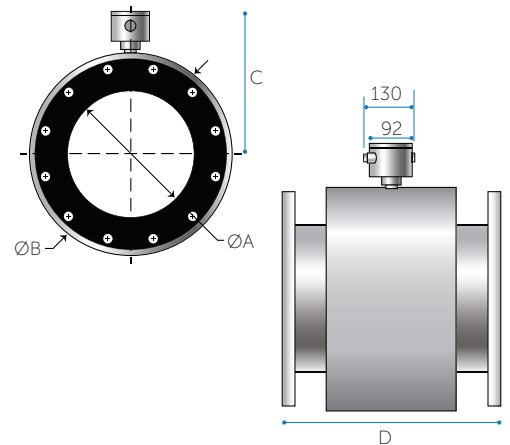
Note: For accurate flow measurement the flow detector must always be full.

Associated Flow Transmitter

Can be located up to 30m for **I500** and 100m for **M500**.

Dimensions

in mm and (inches)



Aquamonix has pattern approval to DN1500 meters, which includes the EMFLUX2060 flowmeter.

How to order

Typical specifying sequence

Example: **EM2060**
EM = M500 or IR = 500
Size (mm) → **D1 1**
Flanged → **pS X S F**
Lining Material
Electrodes
Earthing
Pipe Not Full
Potting

AD = AS2129 Table D
 AE = AS2129 Table E
 B1 = BS4504-10
 B2 = BS4504-16
 B3 = BS4504-25
 C1 = ANSI 150
 C2 = ANSI 300
 D1 = AS4087-16
 D2 = AS4087-21
 D3 = AS4087-35
 B = Basalt
 S = 316SS
 H = Hastelloy 'C'
 T = Tungsten Tipped
 X = None
 S = 316SS
 H = Hastelloy 'C'
 T = Tungsten Tipped
 D = 304SS Discs
 X = No Potting
 F = Potting (Cable must be ordered separately)

Nominal Bore				Min Flow L/Sec (Gal/ Min)	Max Flow L/Sec (Gal/ Min)
ØA	B	C	D		
50 (2)	231 (9.09)	216 (8.50)	360 (14.17)	0-1 (0-16)	20 (317)
80 (3)	231 (9.09)	216 (8.50)	360 (14.17)	0-2.5 (0-39)	50 (792)
100 (4)	231 (9.09)	216 (8.50)	360 (14.17)	0-4 (0-63.4)	78 (1236)
150 (6)	316 (12.44)	258 (10.16)	429 (16.89)	0-8 (0-139)	176 (2789)
200 (8)	373 (14.61)	287 (11.30)	429 (16.89)	0-15.7 (0-249)	314 (4977)
225 (9)	400 (15.75)	300 (11.81)	429 (16.89)	0-20 (0-317)	397 (6293)
250 (10)	421 (15.57)	311 (12.24)	429 (16.89)	0-25 (0-396)	490 (7767)
300 (12)	479 (18.86)	340 (13.39)	471 (18.54)	0-35 (0-555)	707 (11206)
350 (14)	582 (22.91)	391 (15.39)	543 (21.38)	0-49 (0-777)	962 (15248)
375 (15)	607 (23.90)	417 (16.42)	582 (22.91)	0-56 (0-888)	1104 (17499)
400 (16)	634 (24.96)	417 (16.42)	582 (22.91)	0-63 (0-999)	1256 (19909)
450 (18)	685 (26.97)	443 (17.44)	607 (23.90)	0-80 (0-1268)	1590 (25202)
500 (20)	736 (28.98)	468 (18.43)	683 (26.89)	0-100 (0-1585)	1963 (31114)
600 (24)	838 (32.99)	520 (20.47)	785 (30.91)	0-141 (0-2235)	2827 (44808)
700 (28)	940 (37.01)	570 (22.44)	937 (36.89)	0-193 (0-3059)	3848 (60992)
800 (32)	1040 (40.94)	620 (24.41)	1050 (41.34)	0-251 (0-3978)	5026 (79664)
900 (36)	1140 (44.82)	670 (26.38)	1180 (46.46)	0-318 (0-5040)	6362 (100840)
1000 (40)	1245 (49.02)	723 (28.47)	1310 (51.57)	0-393 (0-6229)	7854 (124488)

Note: Dimensions are nominal to ± 1 mm. For other liner materials, consult the factory. Dimension D is based on Standard Hard Ebonite Rubber Lining. gallons = US gallons.

EMFLUXI500 Flowmeter Transmitter

A no compromises, high accuracy, irrigation flowmeter. It complies with the Australian Standard AS/NZS 4747:2013 - Meters for Non-Urban Water Supply and is a fully pattern approved instrument from DN50 to DN1500. This transmitter meets the demanding requirements for accurate metering of irrigation supplies, but is equally at home in other water supply applications including urban water (recycled water, distribution network and revenue monitoring), mining and environmental monitoring.



Specifications

- AS4747 compliance
- Operates on remote 12VDC with solar recharge
- Operates on 24V fixed power supplies
- Tamper proof design



Applications

- Irrigation off-takes
- Basic control functions e.g. local off-take gates and valves and a variety of communications
- Surface Water or Groundwater Metering
- Gravity or Pumped Systems

NMI PATTERN APPROVED

- NMI 14/3/32
- The I500 Flowmeter Transmitter is pattern approved and certified by the National Measurement Institute.

Features

- Use the well established electromagnetic measurement method
- No moving parts or restriction of flow during measurement
- Enhanced diagnostic and alarm functions, completely configurable
- Removable SD card allowing easy upgrade of transmitter and logging
- Large multi-line backlit LCD display
- User configurable logging interval for flow data and diagnostic tables
- Optional 4-20mA output
- User configurable digital frequency and pulse outputs
- Full serial Modbus multidrop support
- 3x expansion slots allowing additional IO
- Serial support for modems, RTUs and PLCs
- Ability to calibrate and operate flow tubes up to 1500mm in diameter
- Capacitance style keypad with no moving parts
- Cable entry via IP68 rated glands
- Multi-level password protection
- Designed for outdoor environments



EMFLUXI500 Flowmeter Transmitter

How to order

Simply send us an email at sales@aquamonix.com.au contact your local distributor or phone 1300 797 246.

About Aquamonix

Aquamonix provides innovative products and services to assist businesses and communities in monitoring critical water resources, managing environmental compliance and mastering remote infrastructure. We are a major supplier of flowmeters, water quality sensors, remote telemetry systems and control solutions for the Australian irrigation market. We are the only Australian manufacturer of full bore flowmeters and have an installed base of more than 40,000 sites and over 40 years of experience in the industry.



Licence ID: 15075

Contact Aquamonix | aquamonix.com.au | **T: 1300 797 246**

New South Wales
268 Milperra Road
Milperra NSW 2214
T: +61 2 8710 4040

Victoria
T: 1300 797 346

Western Australia
92 Furniss Road
Landsdale WA 6065
T: +61 8 9477 1188

Queensland
29 Lathe Street
Virginia QLD 4014
T: +61 7 3608 7889