


## 2500 EL Series *Extended Linearity*

Extended linearity electromagnetic flowmeter with PTFE liner designed for flange fitting				
Model Type	Internal Diameter mm	Length mm	Weight kg (PN10 version)	Flow Rate at 2 m/s velocity
				m <sup>3</sup> /hr
2500.450	450	450	120	1145
2500.500	500	500	130	1418
2500.600	600	600	180	2036
2500.700	700	700	210	2771
2500.800	800	800	295	3619
2500.900	900	900	380	4580
2500.1000	1000	1000	450	5655
2500.1200	1200	1200	620	8143
2500.1300	1300	1300	795	9557
2500.1400	1400	1400	880	11084
2500.1500	1500	1500	1075	12723
2500.1600	1600	1600	1150	14476
2500.1700	1700	1700	1405	16343
2500.1800	1800	1800	1500	18322
2500.2000	2000	2000	1900	22619

### Common Features:

	Temperature Rating	-20°C to 80°C for the ebonite version EPDM and Abral options on request -20°C to 90°C; -20°C to +180°C (for PTFE separate version);
	Viscosity Range	Viscosity independent
	Accuracy	±0.2% over flow range 0.5 to 5 m/s; Turndown 1000:1; maximum velocity 10 m/s
	Fluid Conductivity	Must be greater than 5 microSiemens/centimetre
	Body / Internals	Hard Rubber or Ebonite Lining with 3 Hastelloy C 22 electrodes as standard; PTFE on request
	Flange Materials	Painted carbon steel, 304 or 316SS
Protection Rating	IP68 to 1.5 meters (separate version)	
Flange Fitting	PN6 to PN16 UNI2223 DIN2501, BS4504 and ISO7005; ANSI150,300,600,900 on request; PN25 to DN1000; PN40 to DN700; PN64 to DN500; AWWA and KS on request	
Maximum cable length	100 metres for conductivity > 200µS/cm; 15 metres for conductivity at 5 µS/cm	
External materials	Carbon Steel treated with acrylic paint	
Output & Power	See converter	

### Options:

Electrode Materials	Hastelloy B, Platinum, Titanium and Tantalum
Flow rate, temperature and pressure	Alternate ratings available in different sizes and styles, consult factory for further details
External Materials	316 SS
IS Hazardous Area Version ATEX	Available at extra cost to EEx ia IIC T5 with a threaded body

### Documentation:

Operating and Maintenance Manual	See Converter manual	
Installation Drawing	Refer to factory	Technical Data Sheet: DS110-2-ENG
Conformity:	These products conform to PED and EMC. ATEX option available.	

## Flowmeter Specification Sheet

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