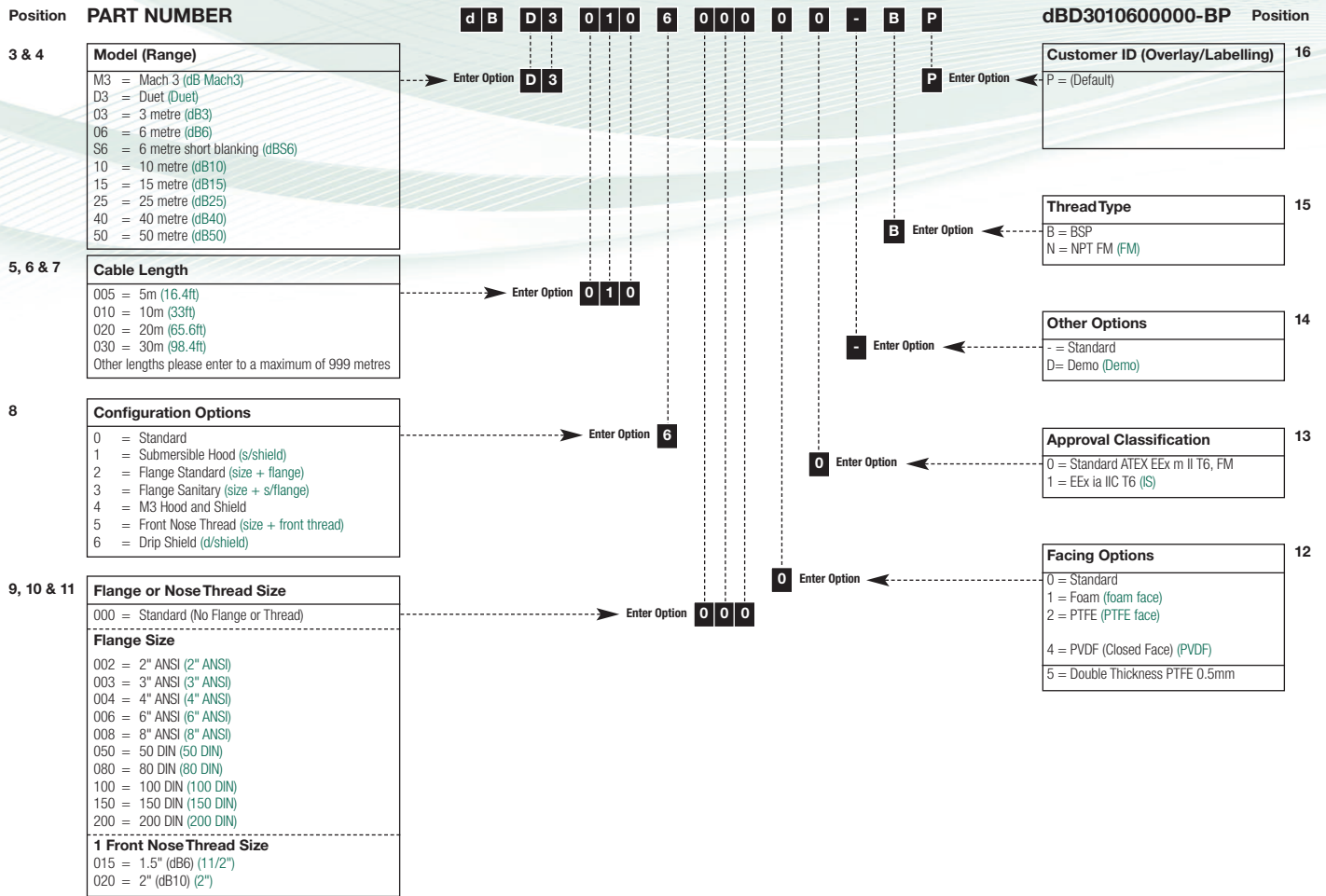


Transducers:



Technical Specification: PULSAR dB Transducers

DATA APPLICABLE TO ALL TRANSDUCERS

Operating temperature range:	-40°C to +95°C (-40°F to +203°F) (Hazardous area versions +75°C (+167°F) max)
Hazardous area approval:	Standard ATEX EEx m II T6 or optional EEx ia IIC T6 (FM/FMC approved available). NB: Not dB50
Ingress protection (IP) rating:	IP68 to BS EN 60068-2-17 : 1995 and BS EN 60529 (Nema 6P available)
Integral cable length:	Standard 5, 10, 20 or 30 metres
CE approvals:	EMC tested to BS EN 50081-1 : 1992 for emissions and BS EN 50082-2 : 1995 for immunity Electrical safety tested to BS EN 61010-1 : 1993
Bump, shock and vibration:	To BS EN 60068-2-29, BS EN 60068-2-27 and BS EN 60068-2-6

HOUSING DETAILS

	Housing material	Housing diameter mm/inch	Housing height mm/inch	Mounting connection
dB3:	Valox 357 *PBT	86mm / 3.39"	98mm / 3.86"	BSP or 1" NPT
dB6†:	Valox 357 *PBT	86mm / 3.39"	106mm / 4.17"	BSP or 1" NPT
dB10†:	Valox 357 *PBT	86mm / 3.39"	106mm / 4.17"	BSP or 1" NPT
dB15:	Valox 357 *PBT	86mm / 3.39"	120mm / 4.72"	BSP or 1" NPT
dB25:	Valox 357 *PBT	114mm / 4.49"	140mm / 5.51"	BSP or 1" NPT
dB40 & dB50:	Valox 357 *PBT	205mm / 8.07"	215mm / 8.46"	BSP or 1" NPT

OPTIONAL FLANGES - All have PTFE full face on process side

Flanges:	ANSI	2"	3"	4"	6"	8"	DIN	50	80	100	150	200	Sanitary	2"	3"
dB6:		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			✓
dB10:		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓			✓
dB15:			✓	✓	✓	✓			✓	✓	✓	✓			

OPTIONS

Facings:	Closed cell soft foam for increased power in dry dusty environments PTFE standard on all flanged transducers for chemical compatibility
Submergence shield:	For continuous operation in applications at risk of submergence
Beam aiming kit:	Recommended for easy transducer aiming in solids applications (drawing available on request)

† Available in optional PVDF body material (Polyvinylidene fluoride)

*PBT - Polybutylene terephthalate