

ATEX RADIOS DTEX SERIES

Zones 1, 2

Full catalogue available on our website: www.inpratex.com

7
COMMUNICATION

ATEX COMMUNICATIONS

ZONES 1, 2 (gas)



Professional range of ATEX IIA & IIC certified radios. The rugged DTEX Series delivers exceptionally loud audio coupled with outstanding audio clarity, plus the ergonomic controls are specifically designed for gloved hand use.

By combining the latest DMR digital technology and highest ATEX gas group ratings, the DTEX series delivers best in class range, safety and reliability. Exceeding MIL-STD-810 and a market leading IP68 rating (2-meters 4-hours) the fully submersible DTEX can be depended on to withstand the most extreme and hostile of environments.

- Commercial grade construction
- Digital and analogue modes
- Outstanding range and performance
- Crystal clear audio
- High contrast white on black OLED
- Simple end user programming app
- Extensive range of approved accessories



EU-Type Examination Certificate



ITEM REFERENCES

Model:	Channels:	Screen:	Frequency / Band:	RFPower:	Tier:	Gas group:
DT822	16	No	VHF / 136-174MHz	4W	II	IIA
DT825	256	OLED	VHF / 136-174MHz	4W	II	IIA
DT882	16	No	UHF / 400-470MHz	4W	II	IIA
DT885	256	OLED	UHF / 400-470MHz	4W	II	IIA
DT922	16	No	VHF / 136-174MHz	1W	II	IIC
DT925	256	OLED	VHF / 136-174MHz	1W	II	IIC
DT982	16	No	UHF / 400-470MHz	1W	II	IIC
DT985	256	OLED	UHF / 400-470MHz	1W	II	IIC
DT952	16	No	PMR/DMR446 / 446-446.2MHz	0,5W	I	IIC
DT953	256	OLED	PMR/DMR446 / 446-446.2MHz	0,5W	I	IIC

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GENERAL TECHNICAL SPECIFICATIONS	
Marking:	II 2G Ex ib IIA T4 Gb II 2G Ex ib IIC T4 Gb (depending on the model)
Certificate:	EU-Type Examination Certificate
Operating Temperature:	-20°C to +55°C
Storage Temperature:	-40°C to +85°C
Ingress protection:	IP68 (2m 4h Submersible)
Channels:	16 (non-display) / 256 (display)
Number of Zones:	8 (display)
Analogue Channel Spacing:	12.5/20/25KHz
Digital Channel Spacings:	12.5KHz
Battery:	1800mAh Lithium-Ion
Weight:	435g
Dimensions:	138 x 60 x 38 mm
Frequency Stability:	± 1.5ppm
Operating Voltage:	7.4v
Programmable Buttons:	3 (non-display) / 5 (display)
Battery Endurance (5/5/90 Duty Cycle @ 1W)	Analogue 14.5 hours Digital 18.5 hours

TRANSMITTER TECHNICAL SPECIFICATIONS	
Modulation Limiting:	±2.5kHz @ 12.5kHz ±4.0kHz @ 20kHz ±5.0kHz @ 25kHz
Conducted / Radiated Spurious Emissions:	Better than -36dBm
Adjacent Channel Power:	Better than 60dB
Audio Distortion (Typical):	3%



RECEIVER TECHNICAL SPECIFICATIONS	
Sensitivity (Typical):	Analogue 121dBm (0.2uV) for 12dB SINAD Digital 121dBm (0.2uV) for 5% BER
Intermodulation Response Rejection (ETSI):	> 70dB
Adjacent Channel Selectivity (ETSI):	> 70dB(12.5KHz) 60dB(25KHz)
Spurious Response Rejection (ETSI):	> 70dB
Audio Output Power:	1 watt
Audio Distortion (Typical):	3%
Conducted Spurious Emission (ETSI):	> -57dBm

ACCESSORIES					
CHPD/DT9	CHPHD/DT9	CHPHS/DT9	CLC/DT2	CLCDT5	CMP/DT9
CNB950EV2	CXR16/DT9	CXR5/DT9	EA12/DT9	PTT-C/DT9	PTT-E/DT9