



# spectrum Ex

*The high-performing transmitter with Ex approval.*

## *Benefits:*

*LCD feedback*

*radiomatic® report*

*radiomatic® iLOG*

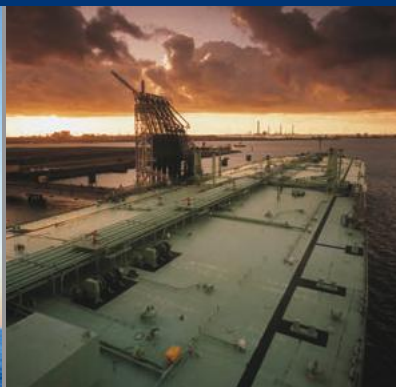
*Frequency management*

*... and much more*

**NEC 500 / 505**  
**intrinsically safe**  
Class I, Division 1, Groups C and D  
Class I, Zone 0, Group IIB



*Quality in Control.*



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## Highlights:



### LCD feedback

The display allows for the clear indication of diverse crane and machine data, warnings and error notifications – a considerable increase in safety.



### radiomatic® report (optional)

This feature protects the control from unauthorized use. It enables the blocking of safety-relevant functions for non-authorized users as well as the storage of useful operational data.



### radiomatic® iLOG

The intelligent electronic key enables the quick activation of a spare transmitter in case the transmitter is damaged. This results in easy service without expensive downtime.



### Frequency management (optional)

The fully automated 2.4 GHz technology ensures interruption-free radio operation without frequency conflicts in areas with many radio users.



### Safety features (optional)

In emergencies, radiomatic® shock-off / zero-g can trigger an automatic shutdown of the control and thus ensure additional safety.

## Applications:

Cranes and machinery in potentially explosive areas.



Version with linear levers.



Version with joysticks, deadman button, z-axis switches and many other operating elements.

## Approvals:

Area	Approval according to:
Underground	ATEX / IECEx (in preparation)
Ex zone 1	ATEX / IECEx (in preparation)
Ex zone 2	ATEX / IECEx (in preparation)
Ex zone 21	ATEX / IECEx (in preparation)
Ex zone 22	ATEX / IECEx (in preparation)
Class I, Division 1, Groups C and D T4 / Class I, Zone 0, Group IIB, T4	NEC 500 / 505

## Further details:

- Up to 3 joysticks or up to 8 linear levers / numerous push buttons, toggle or rotary switches (maintained / spring-return) / STOP impact switch.
- LED for indication of operation / battery status.
- radiomatic® iLOG for the quick activation of a spare transmitter.
- 2 rechargeable NiMH exchange batteries, approx. 9 hours of continuous operating time.
- Robust plastic housing, protection class IP 65.
- Weight: approx. 2 kg (4.4 lbs.) including battery.
- Manual frequency switch.
- Further options: 2.4 GHz technology, radiomatic® AFS, tandem operation, catch-release, z-axis switches, enabling switch, cable control.
- Carrying method: Leather hip belt.