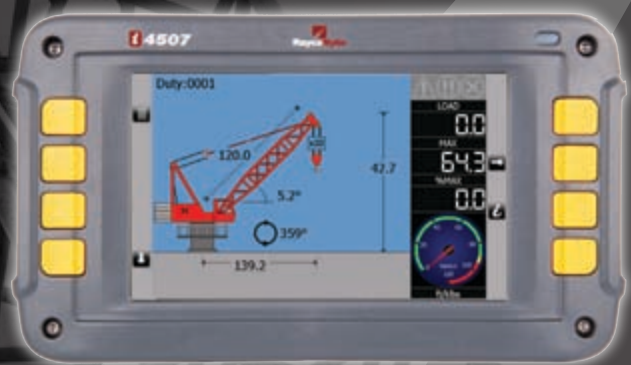


OFFSHORE CRANE MONITORING SYSTEMS



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4500SERIES OFFSHORE CRANE MONITORING SYSTEMS



DISPLAY (SAFE CAB)

Size: 4.3" (16/9 ratio) / 7" (16/9 ratio) / 10.4" (4/3 ratio)
IP Rating: IP67
Operating Temperature: -20°C to +70°C
Supply Voltage: 24 VDC
Certification: BS EN 13852-1 / BS EN 13852-2



EX DISPLAY (ZONE 1 AND 2)

Stahl ET208 7" touch screen full colour panel mount display (optional enclosure)
Size: 7" (15/9 ratio)
IP rating: IP66 / IP54 (front/back) (IP65 back when mounted in optional enclosure)
Operating Temperature: -40°C to +65°C
Supply voltage: 24 VDC (Ex e) 85-265 VAC, 48-62 Hz (Ex e)
Certification: IECEx (alternative certification available upon request)



TERMINATION UNIT (SAFE CAB)

Material: Stainless Steel (Powder Coat Black Paint)
Size: 460mm x 440mm x 180mm
Supply voltage: 24 VDC (85-264 VAC, 47-63 Hz)



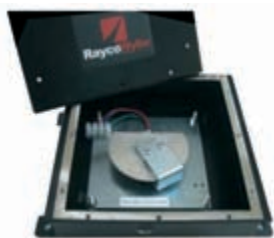
EX TERMINATION UNIT (ZONE 1 AND 2)

Material: Cast Aluminium
Size: 500mm x 285mm x 476mm
Supply voltage: 24 VDC
Certification: IECEx (alternative certification available upon request)



JUNCTION BOX

Material: Stainless Steel
Size: Various



ANGLE SENSOR

Material: Stainless Steel (Powder Coat Black Paint)
Size: 216mm x 219mm x 162,5mm
Operating temperature: -40°C to +70°C
Excitation voltage: 5 VDC



CABLE GLANDS: TYPE M16

Material: Nickel Plated Brass
Contact sleeve: Nickel Plated Brass
Operating temperature: From -40°C to +100°C
Protection: IP68



CABLE GLANDS: TYPE M20/M25

Material: Brass
Operating temperature: From -60°C to +80°C
Protection: IP68
Reference: IECEx



LOAD LINK

Material: Stainless Steel 17-4PH
Non-linearity and hysteresis combined: < ±0,2% of full scale
Operating temperature: From -20°C to +80°C
Output signal: 1,3 mV/V typical full scale
Excitation voltage: 5 VDC
Protection: IP67



A2B SWITCH (OVER HOIST LIMIT SWITCH)

Material (switch): Stainless Steel
Contact operation: Snap action
Contact configuration: 1 N.O./1 N.C.
Contact material: Silver



LOAD PINS

Material: Heat-Treated Stainless Steel 17-4PH
Non-linearity and hysteresis combined: < ±0,2% of full scale
Operating temperature: From -20°C to +80°C
Output signal: 1,3 mV/V typical full scale
Excitation voltage: 5 VDC
Protection: IP67

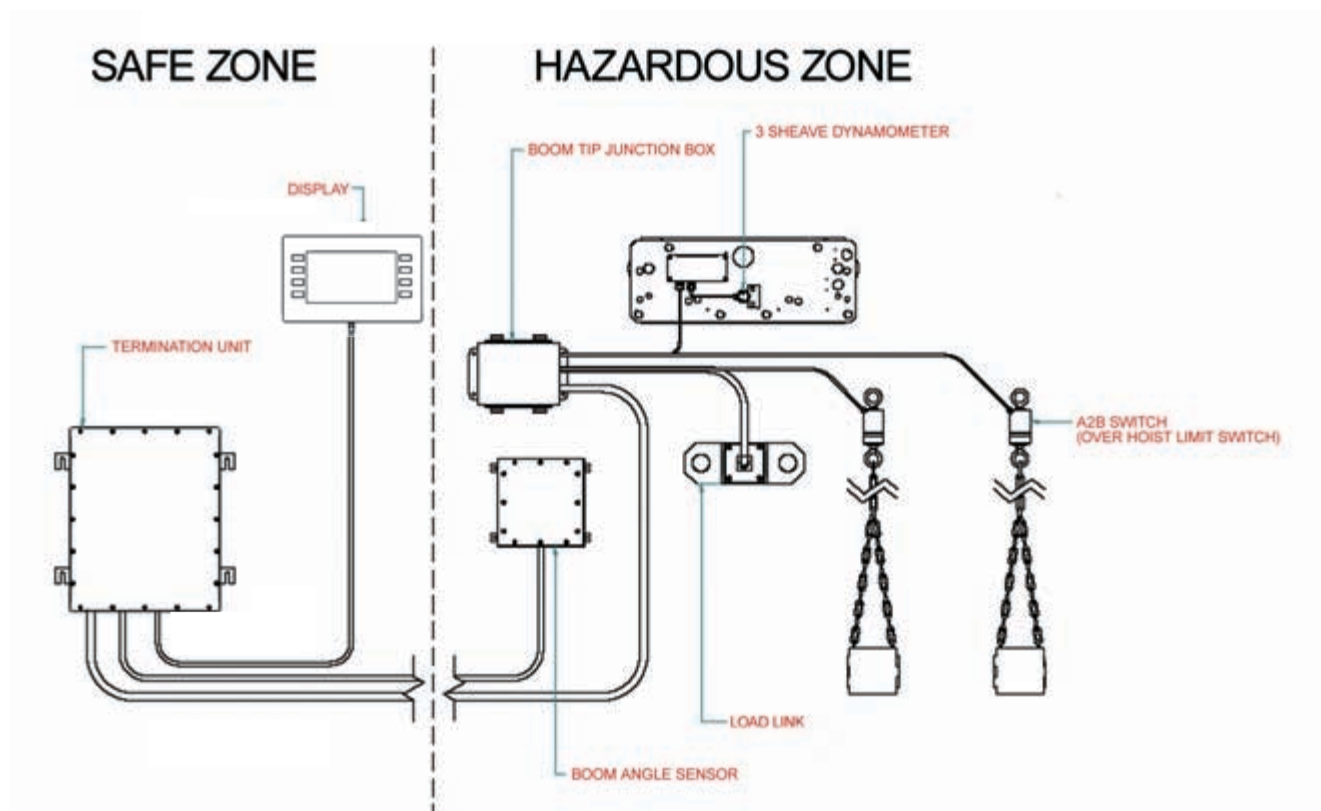


DYNAMOMETERS

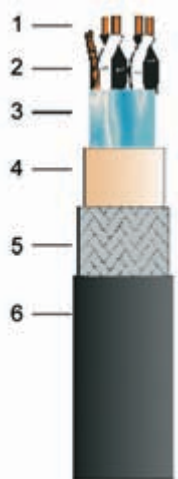
Material: Stainless steel/zinc plated steel
Non-linearity and hysteresis combined: < ± 0,2% of full scale
Operating temperature: From -20°C to +80°C
Output signal: 1,3 mV/V typical full scale
Excitation voltage: 5 VDC

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TYPICAL OFFSHORE CONFIGURATION *System specific wiring diagram provided to suit application.



TYPE E34 150/250V FLAME RETARDANT collective screen halogen free



MATERIAL :

- 1 - CONDUCTOR TINNED STRANDED COPPER CONDUCTOR (BS EN 60228:2005 class 5 flexible)
- 2- INSULATION OF EPR
- 3- SCREENING COLLECTIVE SCREEN, Aluminium BACK POLYESTER TAPE WITH TINNED COPPER STRANDED DRAIN WIRE
- 4- INNER SHEATH HALOGEN FREE
- 5- ARMOUR Galvanised STEEL WIRE BRAID
- 6- OUTER SHEATH CSP OUTER SHEATH

PROPERTIES :

FLAME-RETARDANCY TEST IN ACCORDANCE TO IEC (60) 332-3 CAT A
OXYGEN INDEX OF SHEATING : GREATER THAN 32%
H.C.L. EMISSION LESS THAN 5% AT 800°C
MELINEX TAPES BELOW AND ABOVE BRAID FOR EASE OF STRIPPING

REFERENCE :

BS 6883-1999
IEC (60)332-3 CAT A

*The information contained in this document is subject to change.



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