

Vision is
our mission®

AFI Auto Focus Insulated
Article no. 0103611

AFI Auto Focus Insulated (Arctic)
Article no. 0103621

AFI Auto Focus Insulated 2m
Article no. 0103671

2016 • DS0961310 A 01

WIEGEL

Transport Equipment | Stokvis Group

Product Data



Dimensions

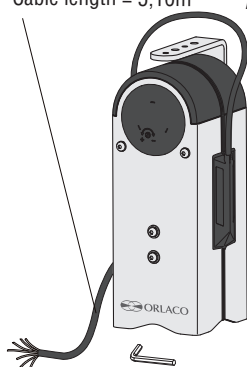


Camera AFI Arctic

Cable connection

Art. No 1221300

Cable length = 5,10m



Camera AFI

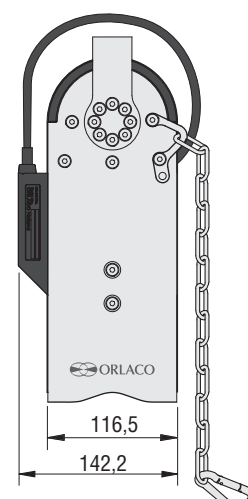
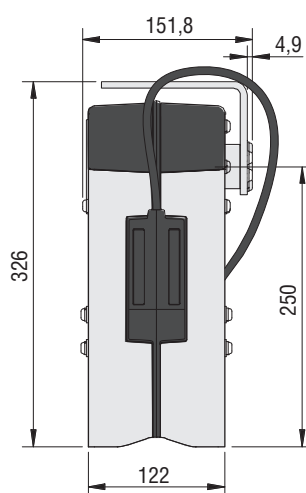
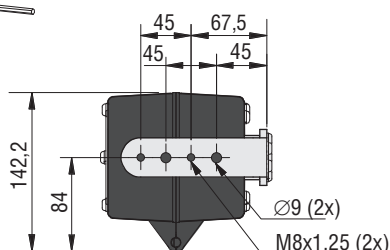
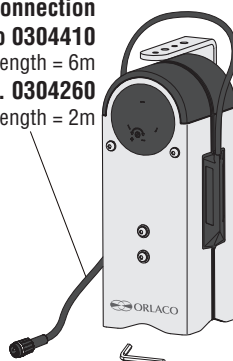
Cable connection

Art No 0304410

Cable length = 6m

Art. no. 0304260

Cable length = 2m



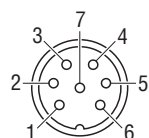
Safety chain with carabiner
(Only Art. no. 0103670)

Units in mm

TECHNICAL DATA

AFI Auto Focus Insulated

| | Description | | |
|------------------------------|--|--|--|
| Article Number | 0103611 | 0103621 | 0103671 |
| Operating temperature | 6m cable | Arctic, Extra module heater included. | 2m cable |
| Cable | -40 to +85°C. Art. no. 0304410, 7p male connector. Cable length = 6m. | -50 to +85°C. Art. no. 1221000, open wire. Cable length = 5,10m. | -40 to +85°C. Art. no. 0304260, 7p male connector Cable length = 2m. |
| Weight | 8 kg (including cable). | 8,3 kg (including cable). | 7,8 kg (including cable). |
| Power consumption | Heater off 2W. Heater on 4W. | Heater off 2,5W. Heater on 16W. | Heater off 2W. Heater on 4W. |
| Power input | General | | |
| Protection | 24V/DC. Condense- and watertight IP 68, (4m under water, during 4 hours) according to IEC 60529, dry-nitrogen filled, 1,4 Bar overpressure. | | |
| Purpose | Designed for usage on cranes to have a camera pointed downwards perpendicular. The damper absorbs sudden movements and procure stability. The AFI of Orlaco has been balanced by the factory. | | |
| CCD sensor | Camera | | |
| Effective pixels | 1/4" type Super HAD CCD II. | | |
| Hor. resolution | ± 570000 pixels (PAL). ± 480000 pixels (NTSC). | | |
| Lens | 670 TV lines. | | |
| Lens speed | f = 3,06 mm to 122,4 mm, F1.6 to F4.6; 40x optical, 12x digital(480x with optical zoom). | | |
| Angle of view (H) | From wide optical to tele optical 3,5 sec. | | |
| Min. object distance | 60° (wide) 1,6° (tele). | | |
| Min. illumination | 10 mm (WIDE end), 1500 mm (TELE end). | | |
| S/N ratio | 0,6 Lux (1/50 sec. PAL Typical) 0,04 Lux (1/3 sec. PAL Typical). 0,6 Lux (1/60 sec. NTSC Typical) 0,04 Lux (1/4 sec. NTSC Typical). 0 lux mode. | | |
| TV system | 50 dB or more. | | |
| Communication | PAL/NTSC, CVBS, Output: 1 Vtt composite video into 75 ohm. Communication via serial interface through pin nr. 5 and 6 & the 7 poles connector, visca protocol (RS232) 9,6 Kbps, 8 bit, 1 stop bit, no parity. | | |
| Oil filling | Damper | | |
| Housing | Univis HVI 26 or alternative with kinematic viscosity 896 at -40 °C (Total volume = 40,23 cc). | | |
| Plate material | Suitable for mobile applications with shocks and vibrations. Black Nituff (PTFE Coated according Mil-A-63576 type II). | | |
| Mounting hardware | Offshore proof following IEC 60068-2-52. | | |
| Max. mast speed | AISI 316. | | |
| Installation | Stainless steel. Safety chain provided only with Art. no. 0103671. | | |



Front side molded male connector

Electrical connections

Article no. 0103611, 0103671

Cable Art. no. 0304410, 7p male Connector

| | |
|--------------------|-------------------|
| 1 = Coax core | Video Signal |
| 2 = Coax shielding | Video 0V |
| 3 = Red | +24V/DC |
| 4 = Black | 0V |
| 5 = Orange | Serial RX, RS 232 |
| 6 = yellow | Serial TX, RS 232 |
| Grey | N.C. |
| Shielding | GND |

Article no. 0103621

Cable Art. no. 1221300, Open wire

| | |
|---|-------------------|
| 1 = Coax core | Video Signal |
| 2 = Coax shielding | Video 0V |
| 3 = Red | +24V/DC |
| 4 = Black + Black/Grey | 0V |
| 5 = Green | Serial RX, RS 232 |
| 6 = Grey | Serial TX, RS 232 |
| Black/White, Red/White, Black/Blue, Blue and Brown N.C. | |
| Shielding | GND |

AFI Arctic Camera startup time

| Ambient temp. | Camera startup time |
|---------------|---------------------|
| -20° | 0 minutes |
| -40° | 15 minutes |
| -50° | 45 minutes |

All data subject to change without notice. All dimensions are for commercial purpose only.

The camera/display systems from Orlaco comply with the latest CE, ADR, EMC and mirror-directive regulations, where applicable.

All products are manufactured in accordance with the ISO 9001 quality management system, ISO/TS 16949 quality automotive, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives, where applicable.