PaintChecker Industrial
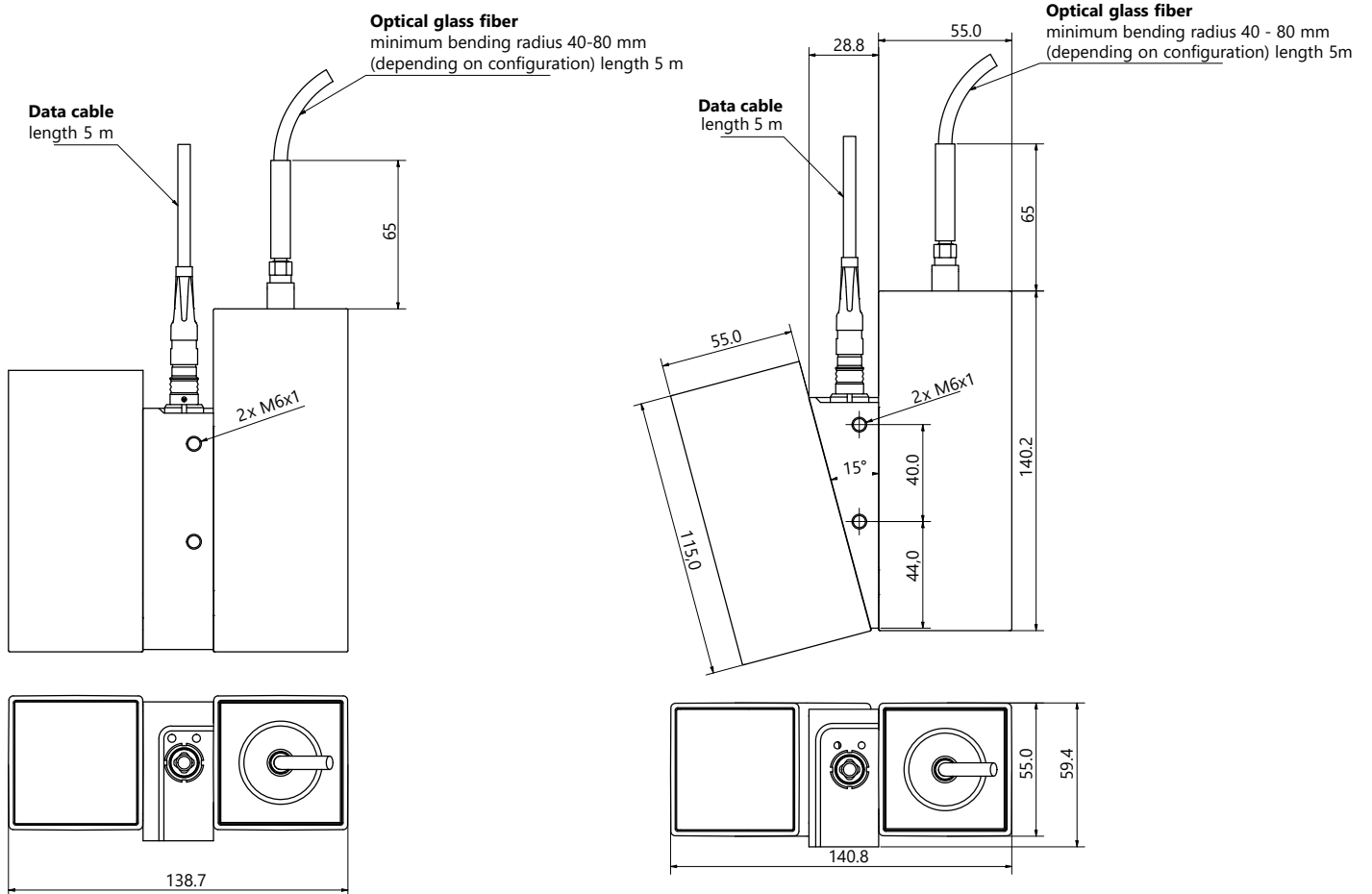# Move – Measuring in motion

OptiSense

With the pioneering new PaintChecker Industrial Move coating thickness measurement system, it is now possible for the first time to inspect surfaces of any length and moving objects without having to move along with the components. The new technology actively utilises the movement between the workpiece and the sensor instead of compensating for it, as is the case with conventional devices.

The excitation and detection modules are self-contained and can be configured independently of each other. The non-contact measuring 3D PaintChecker Move is also easy to integrate into existing coating lines – even in the most difficult production environments.

Technical data	PaintChecker Industrial Move				
Order number	S24-0800-00X			**Remark**
Working distance	150 mm (typical)			100 - 200 mm on request
Distance tolerance	10% of working distance (typical)			preliminary
Operating mode	cw			
Wavelength	980 nm	1470 nm		
Optical power	30 W	18 W		
Laser class	4			
Dimensions (L X W x H)	Depending on configuration			See drawings for standard examples
Weight	approx. 1.5 kg			
Coating thickness measuring range	50 - 1.000 µm			preliminary, depending on material system and belt speed
Belt speed	1 - 80 m/min			preliminary, depending on the material system
Measuring field width (transverse to the direction of movement)	up to 100 mm			
Measuring field length (parallel to the direction of movement)	any			
Spatial resolution	up to 1 mm			depending on configuration and measurement settings

PaintChecker Industrial
Move – Measuring in motion

Optical glass fiber
minimum bending radius 40-80 mm
(depending on configuration) length 5 m

Data cable
length 5 m

2x M6x1

65

138.7

Optical glass fiber
minimum bending radius 40 - 80 mm
(depending on configuration) length 5m

Data cable
length 5 m

28.8

55.0

65

2x M6x1

55.0

115.0

15°

40.0

44.0

140.2

55.0

59.4

140.8

Scope of delivery | Accessories

Scope of delivery

- Sensor
- 5 m cable
- 5 m glass fiber