TECHNICAL DATASHEET

MetriXFreight L63x.

Fast measurement of bulky and long goods.

> The L63x series is suited for measuring long and oversized objects. Whether in warehouse operations or freight logistics, the system delivers fast and reliable results. Automatic photo documentation records every object, ensuring full transparency and traceability.

HIGHLIGHTS

- Legal for trade measurements for precise volume-based billing (L635)
- Increase efficiency and productivity in your logistics processes
- Automatic photo documentation for maximum transparency
- Predictive maintenance for high availability
- Precise measurements for large objects and long goods
- Automated measurement reduces manual work steps
- Flexibility for different requirements

01 System characteristics

System type	Static, no moving components
Sensor type	3D and color cameras, additional color cameras optional
Applications	Warehouses (receiving and shipping), distribution centers, cross docking sites, master data acquisition, etc.
Installation location examples	Free area, above pallet wrappers, conveyor systems etc.
Measurement objects	Free-form objects. Restrictions possible with black foil and transparent or highly reflective surfaces
Acquired data	Length, width, height and weight (if a scale is connected)
Calculated data (optional)	Actual volume, volume weight
Master data (optional)	Additional master data attributes
Photos	Color photo of the measurement object, additional cameras optional
Person detection	People in the measuring area are detected

02 Performance characteristics

Min. object size (L × W × H)	20 × 20 × 10 cm / 7.9 × 7.9 × 3.9 in
Max. object size (L × W × H)	650 × 260 × 260 cm / 256 × 102 × 102 in
Measuring time	~ 200 ms
Operational throughput	300 – 600 pieces/h (incl. scan, depending on the process)
3D cameras	6
Color cameras	1
Screen	1 (standard), optionally 2, can be positioned as required; touchscreen optional

	L630	L635
Certifications	none	OIML R129, EU type-examination certificate (MID)
Measuring accuracy	—	OIML R129: ± 2 cm (length/width) OIML R129: ± 1 cm (height)
Display resolution	1 mm	OIML R129: 2 cm (length/width) OIML R129: 1 cm (height)

03 Trigger interfaces

Automatic	Measures whenever a stable measurement can be made
Programmatic	Trigger via REST API or customer specific trigger plugin (optional)
Barcode scanner	Measurement triggered by connected barcode scanner

04 Data interfaces

QR code	Display of a dynamically generated QR code containing dimensions and optional weight	**File transfer**	Store or submit as CSV, XLSX, PDF, optionally along with photos, via FTP, SFTP or a network share
API	Submit data via standard JSON REST API or customer specific integration (optional)	**Reporting**	Customizable, with customer logo on request

05 Periphery and customization

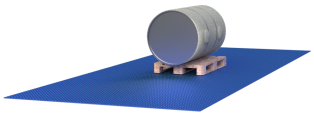
Handhelds & scanners	Yes (only certified scanners)
Floor scale	Optional (only certified scales), easy to retrofit
Forklift scale	Optional (only certified scales)
Additional color cameras	Up to 6 photos of each measured item
Keyboard	Wireless (QWERTZ/QWERTY)
Connectivity	Ethernet (standard), WLAN (standard), LTE (optional)
Customized UI	Option of additional text input/output on screen (Master Edition) or consolidation of measurements of several packaging units and transfer as a data record to the customer system

06 Ambient conditions

Operating temperature	OIML R129: -10 – 55 °C
Relative humidity	0 – 85 %
Sealing against environmental influences	IP50
Lighting conditions	Indoors, no direct sunlight
Power supply	100 – 240 V AC; 50 – 60 Hz
Maximum current	2.3 A
Noise level caused	< 20 dB

07 Installation type: Ceiling





FOOTPRINT & PHYSICAL ENVELOPE

Ceiling-mounted overhead system.

LENGTH
706 cm

WIDTH
304 cm

HEIGHT
56 cm
plus installation height

WEIGHT
~ 200 kg

Space required for installation	650 × 260 cm / 256 × 102 in (plus 100 cm / 39 in clearance to objects and walls on every side)
Recommended mounting height	350 – 390 cm (distance between the underside of the truss and the floor, scale or conveyor)