

M2D LASER-Scanner

for 2-dimensional
profile sensing

- Measuring
- Controlling
- Monitoring



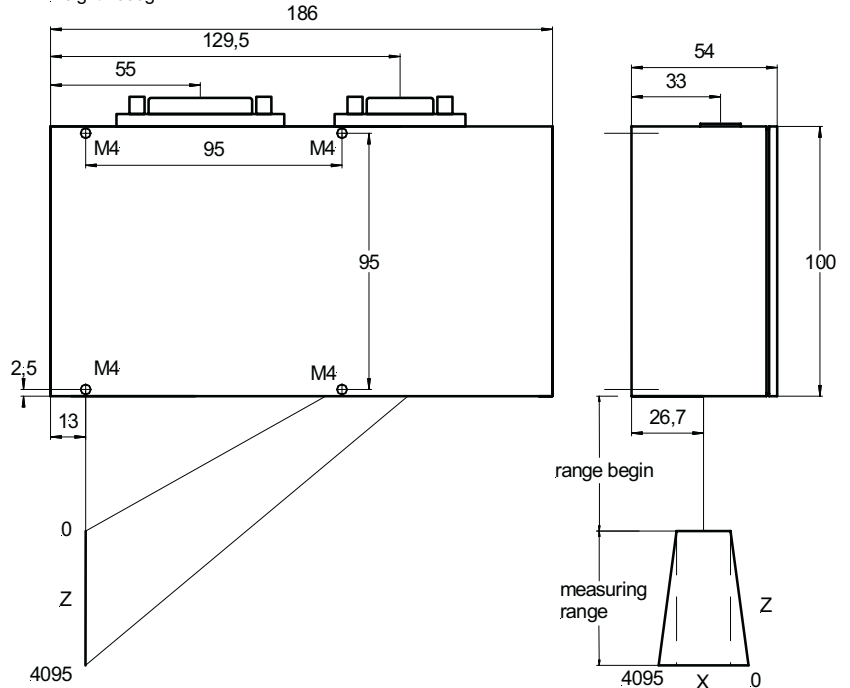
- M2D 85/46
- M2D 120/54
- M2D 200/68



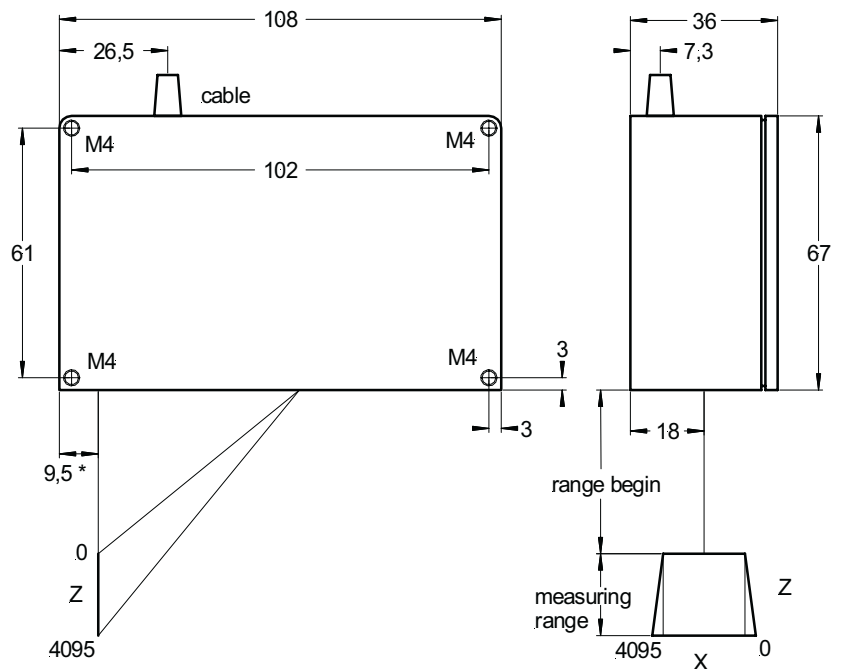
- M2D 17/10
- M2D 40/20
- M2D 60/30

- range: 7 up to 1200 mm
- Scan width:
6 up to 600 mm
- Scan rate 50 or 100 Hz
- many accessories,
software and options

TYPE 1 weight 1050g



TYPE 2 weight 350 g



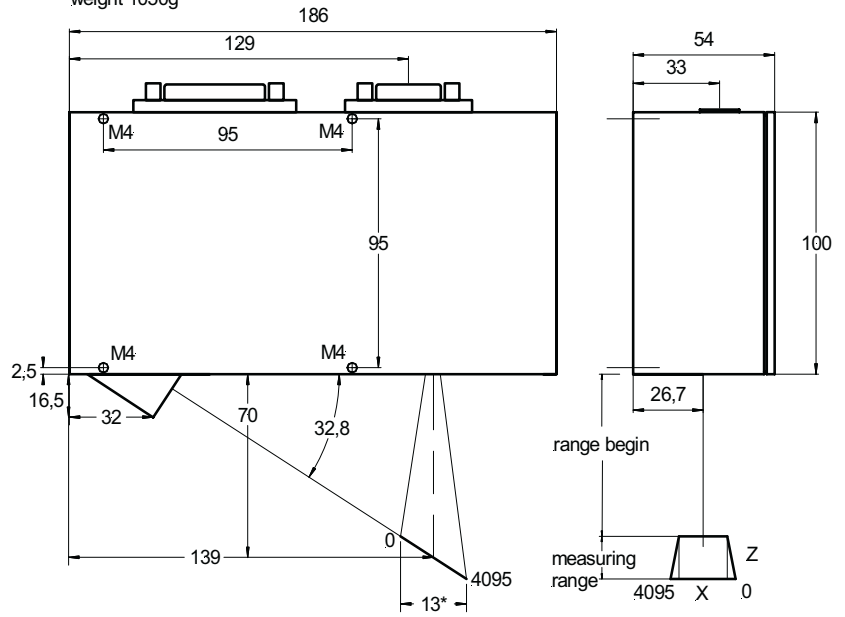
* M2D40/20: distance case/laser = 8,6



M2D 10/13

TYPE 4

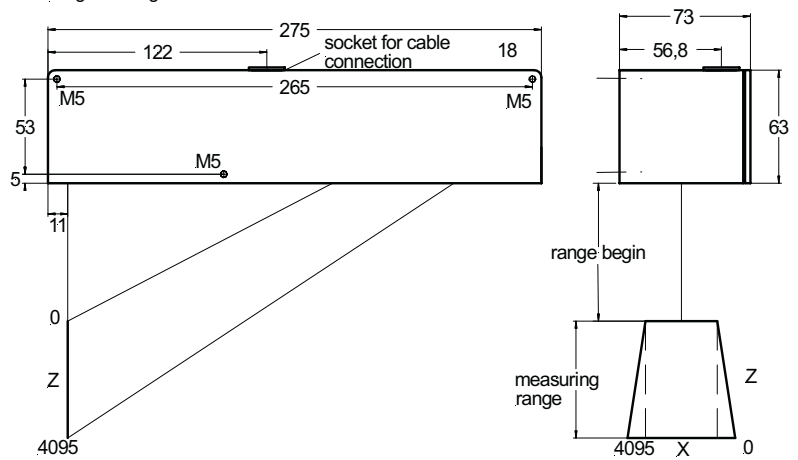
weight 1050g



M2D 220/120

TYPE 5

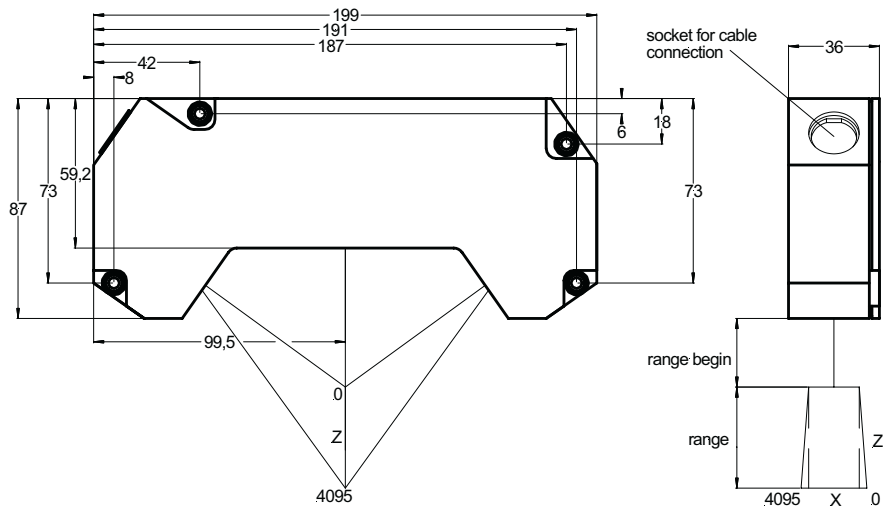
weight 1400 g

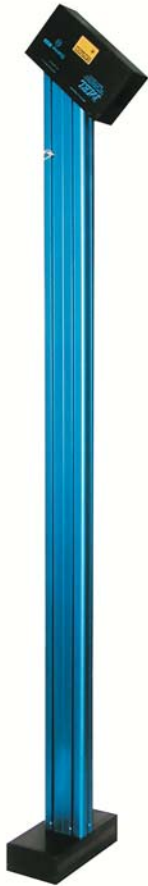


**M2D2 15/10
Double head sensor**

TYPE 11

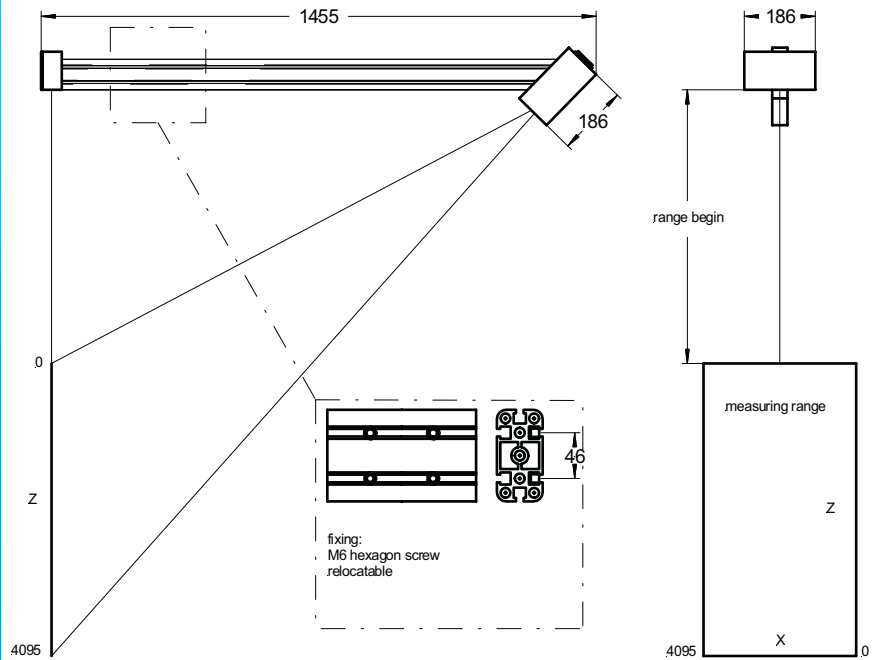
weight 730 g





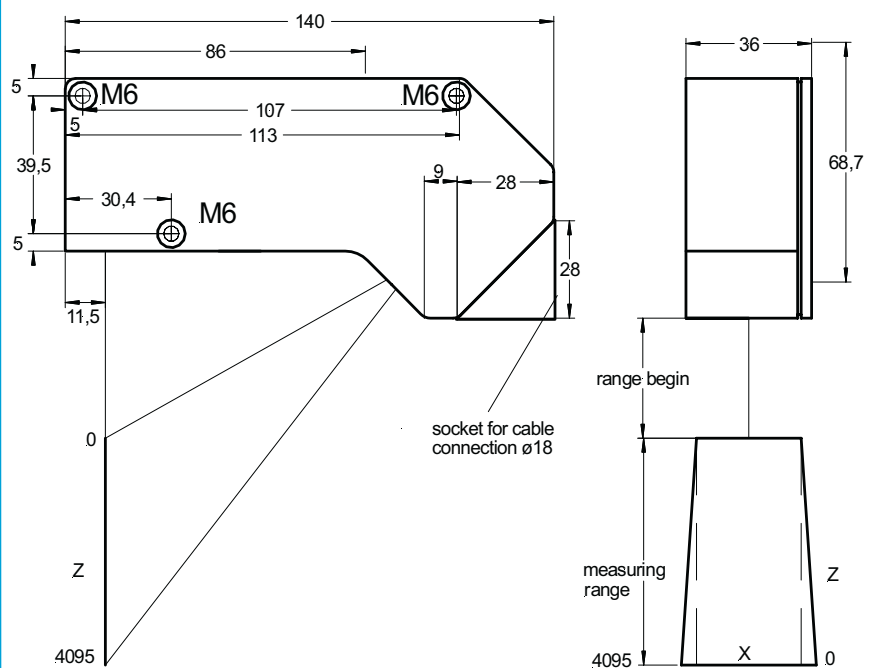
M2D 1200/600

TYPE 6
weight 6700 g



M2D 75/30

TYPE 8
weight 510 g



Technical Data M2D / 50 Hz- and 100 Hz version::

Scanner	7/6	10/13	17/10	15/10 M2D2	40/20	60/30	75/30	85/46	120/ 54	200/ 68	220/ 120	1200/ 600
Case type	2	4	2	11	2	2	8	1	1	1	5	6
Range Z [mm]	7	10	17	15	40	60	75	85	120	200	220	1200
Begin scan range X [mm]	6	13	10	10	20	30	30	46	54	68	120	600
End scan range X [mm]	7	15	13	11,6	27	40	40	60	54	100	160	600
Range begin [mm]	20	65	35	47,8	50	49	90	75	110	90	115	900
Resolution Z [mm]	0,015	0,02	0,03	0,025	0,05	0,08	0,15	0,15	0,25	0,3	0,3	1,5
Resolution X [mm]	0,015	0,02	0,02	0,025	0,03	0,05	0,05	0,08	0,1	0,1	0,18	1,0
Laser protection class	2	3R	2	2	3R	2	2	2	2	2	2	2

Scan rate*	50 Hz	100 Hz
Shutter speed**	1/4000 s up to 1/125 s	1/47.000 up to 1/225 s
Specials		feeler gage, elapsed hour counter, serial number electronically readable
Light source	Laser, wave length 658 nm, red visible	
Ambient light	5.000 Lux	
Operating time	Laser diode: 50.000 h	
max. Vibration	5 g up to 1 kHz	
Operating temperature	0° ... +40°C	
Storage temperature	-20° ... +70°C	
Humidity	< 90% RH	
Protection class	IP 64	
Power supply	via Electronic module: i-Control, Blue Box or ISA-Card	
Measuring surface	white to black, shiny, high mirroring	

*) please order

**) adjustable via software

Delivery:

- Sensor head
- Sensor cable 2 m
- Demo-Software
- Manual
- Electronic module alternativ:
 - i-Control
 - Blue Box
 - ISA-Card

Optionen:

- Special cable length

Accessories:

- Protection window / glass
- Protection window / plastics
- 2 Scanner synchronized