

# M2D LASER-Scanner

for 2-dimensional  
profile sensing

- Measuring
- Controlling
- Monitoring



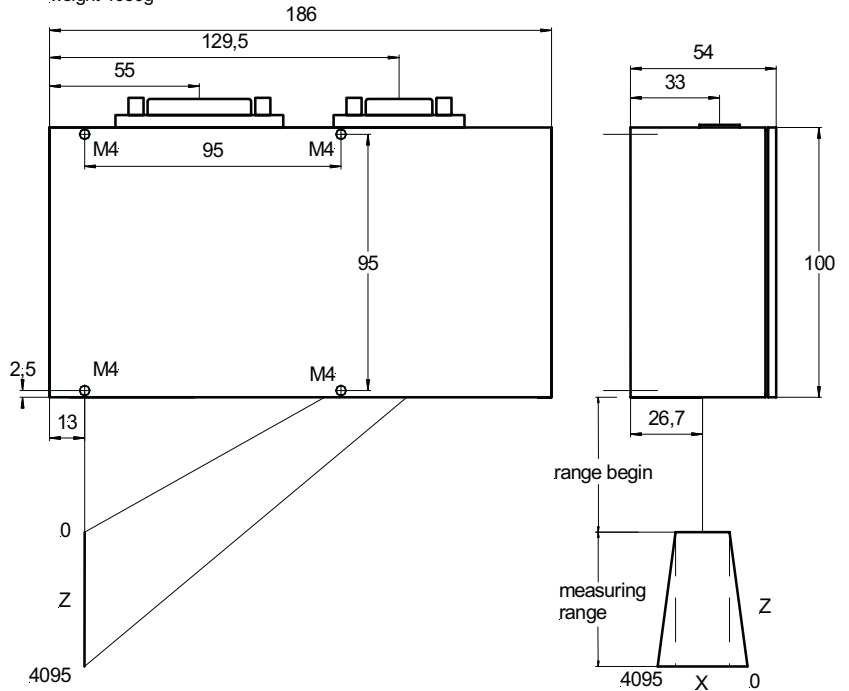
M2D 85/46  
M2D 120/54  
M2D 200/68



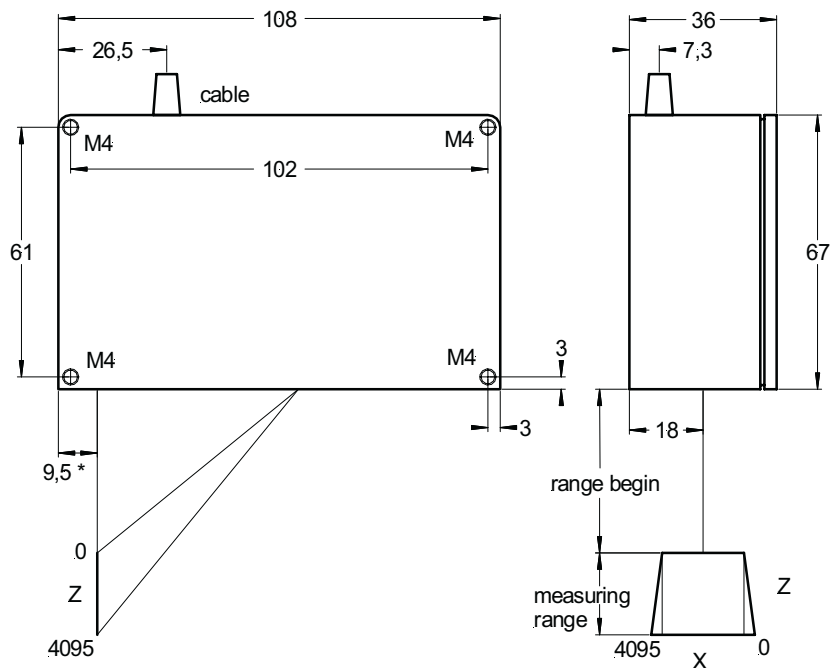
M2D 17/10  
M2D 40/20  
M2D 60/30

- range: 7 up to 1200 mm
- Scan width: 6 up to 600 mm
- Scan rate 50 or 110 Hz
- many accessories, software and options

## TYPE 1 weight 1050g



## TYPE 2 weight 350 g



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



Presented By : **A-Tech Instruments Ltd.**

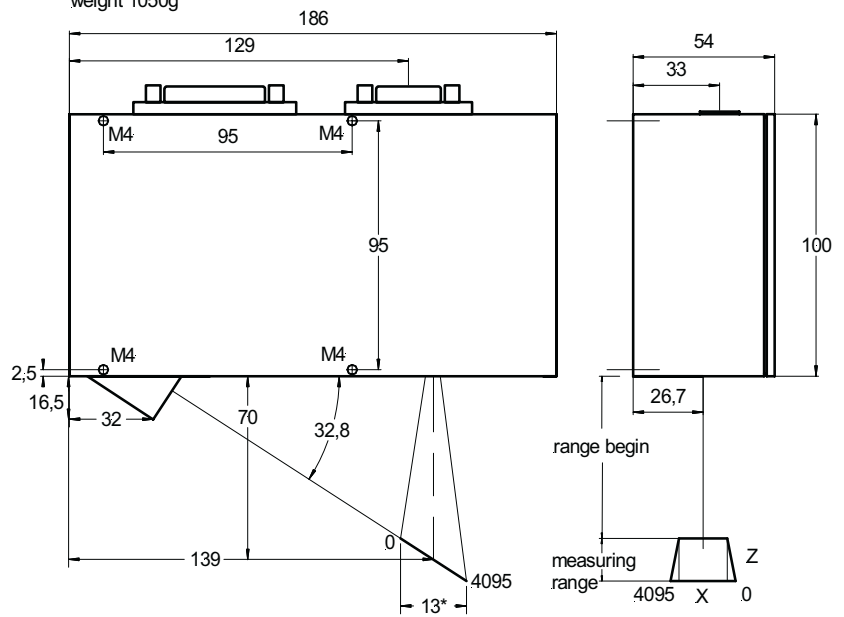
Phone 416 754 7008 Fax 416 754 2351 Email: sales@a-tech.ca

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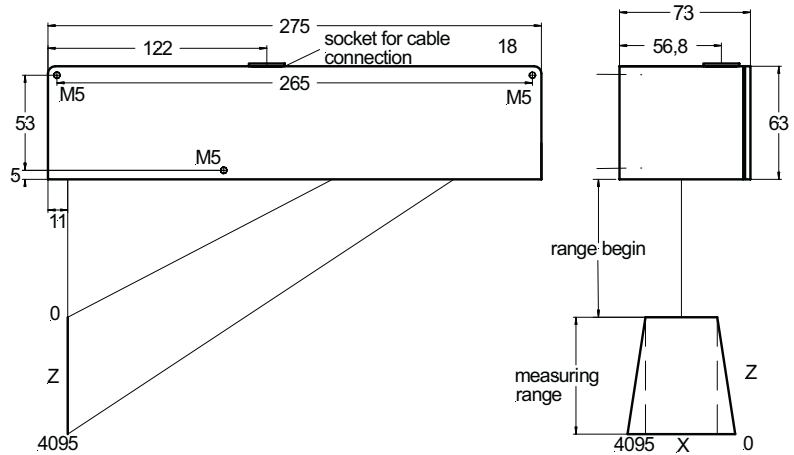
**M2D 10/13**

**TYPE 4**  
weight 1050g



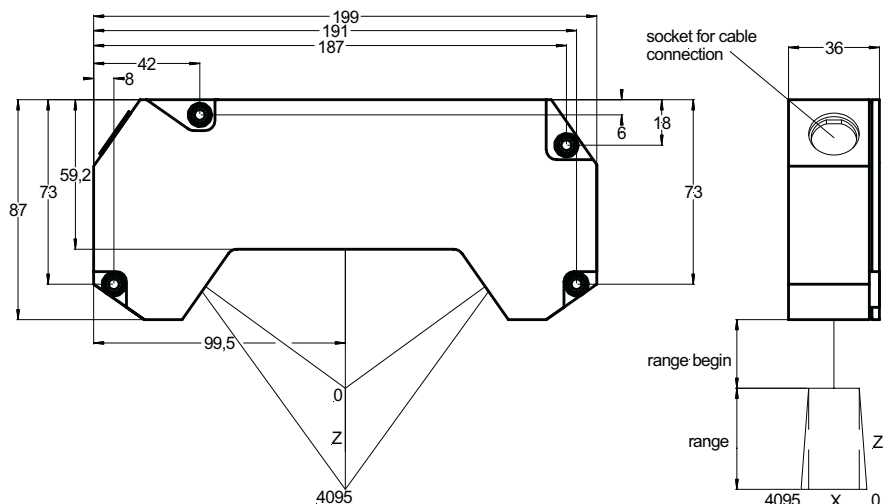
**M2D 220/120**

**TYPE 5**  
weight 1400 g



**M2D2 15/10**  
Double head sensor

**TYPE 11**  
weight 730 g

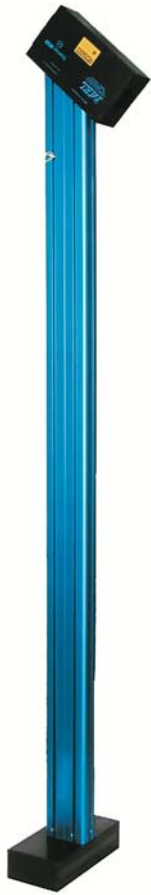


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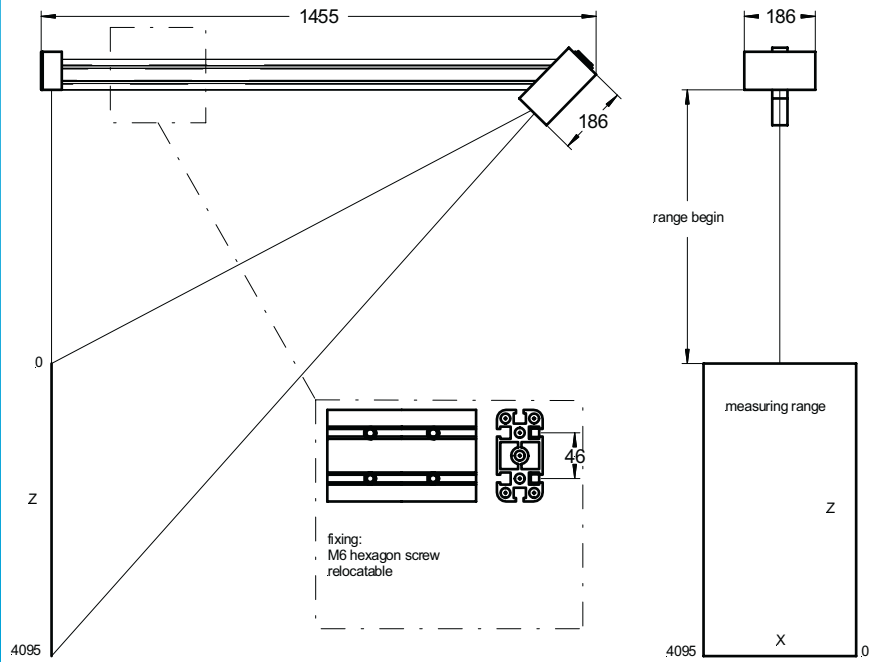
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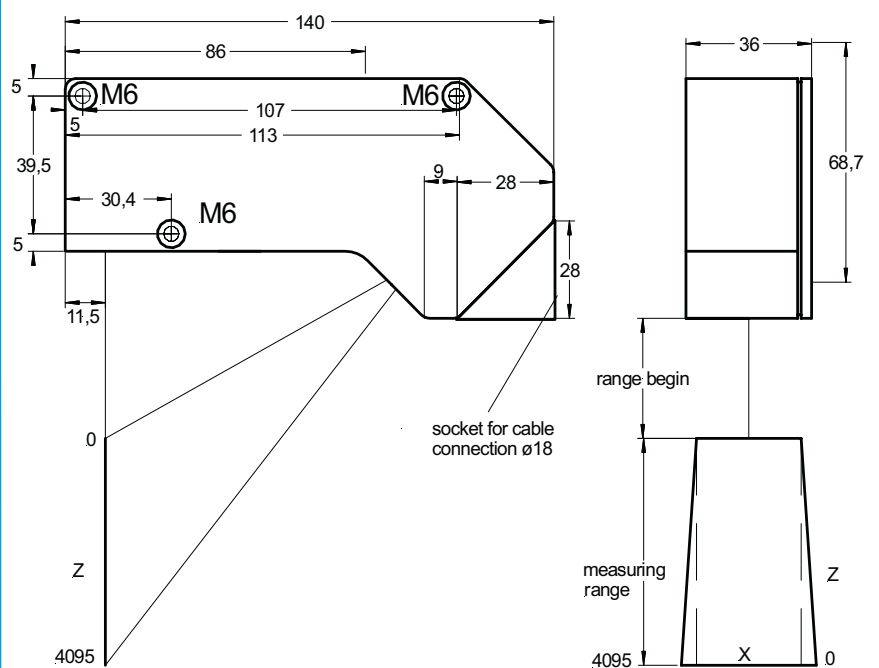
M2D 1200/600

**TYPE 6**  
weight 6700 g



M2D 75/30

**TYPE 8**  
weight 510 g



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**Technical Data M2D / 50 Hz- and 110 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	0,30	0,30	1,50
Resolution X [mm]	0,015	0,02	0,02	0,025	0,03	0,05	0,05	0,08	0,10	0,10	0,18	1,00
Laser protection class	2	3R	2	2	3R	2	2	2	2	2	2	2

<b>Scan rate *</b>	<b>50 Hz</b>	<b>110 Hz</b>
<b>Shutter speed **</b>	1/4000 s up to 1/125 s	1/47.000 s up to 1/225 s
<b>Specials</b>		feeler gage, elapsed hour counter, serial number electronically readable
<b>Light source</b>	Laser, wave length 658 nm, red visible	
<b>Ambient light permitted</b>	5.000 Lux	
<b>Expected lifetime</b>	Laser-Diode: 50.000 h	
<b>max. Vibration</b>	5 g, 1 kHz	
<b>Operating temperature</b>	0° up to 40°C	
<b>Storage temperature</b>	-20° up to +70°C	
<b>Humidity</b>	< 90% RH	
<b>Protection class</b>	IP 64	
<b>Power supply</b>	via electronic module: i-Control, Blue Box or ISA-Card	
<b>Measuring surface</b>	white to black, shiny, high mirroring	

\*) please order

\*\*) adjustable via software

**Delivery::**

- sensor head
- sensor cable 2 m
- DLL's
- Manual
- evaluation electronics alternative:
  - i-Control
  - MEL Blue Box V2
  - ISA-Card

**Options:**

- cable length



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