

MACTECH

PEMS PIPE END MEASUREMENT SYSTEM

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Mactech's Pipe End Measurement System is a laser measurement tool designed to precisely measure the inside diameter, outside diameter and wall thickness of a pipe end. Our variety of swing arm lengths and calibration rings allow a nominal pipe size measurement range of 56" O.D. down to 4.2" I.D (1423-107 mm). The tool is capable of single or dual measurements at 1" to 4" (25-102mm) from the pipe face. The resulting data can be analyzed to determine if each end meets dimensional tolerances. The pipes can then be identified and sorted into an optimized pipeline fit-up that minimizes I.D., O.D. and wall thickness mismatches.

FEATURES

- ON-SITE CALIBRATION WITH CALIBRATION RINGS
- TEMPERATURE COMPENSATION
- AUTOMATED MEASUREMENT
- 1 INCH AND/OR 4 INCH MEASUREMENT LOCATIONS
- HI-LO MISMATCH OPTIMIZATION
- WIRELESS COMPUTER CONTROL
- EXPORTS DATA TO EXCEL SPREADSHEET
- CONTACT MACTECH FOR CUSTOM SIZES

PEMS SPECIFICATIONS

Maximum Outside Diameter	56" (1423 mm)
Minimum Inside Diameter	4.2" (107 mm)
Measurements Per Pipe	2000
Accuracy	+/- 0.002" (50.8 µm)
Repeatability	+/- 0.001" (25.4 µm)
Laser Resolution	.0001" (2.54 µm)
Time Per End Measure	50 seconds
Power Source	Battery
Weight	20 lbs. (9kg)

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WORK HARD

WORK SAFE

WE BEFORE ME

WELCOME CHALLENGES

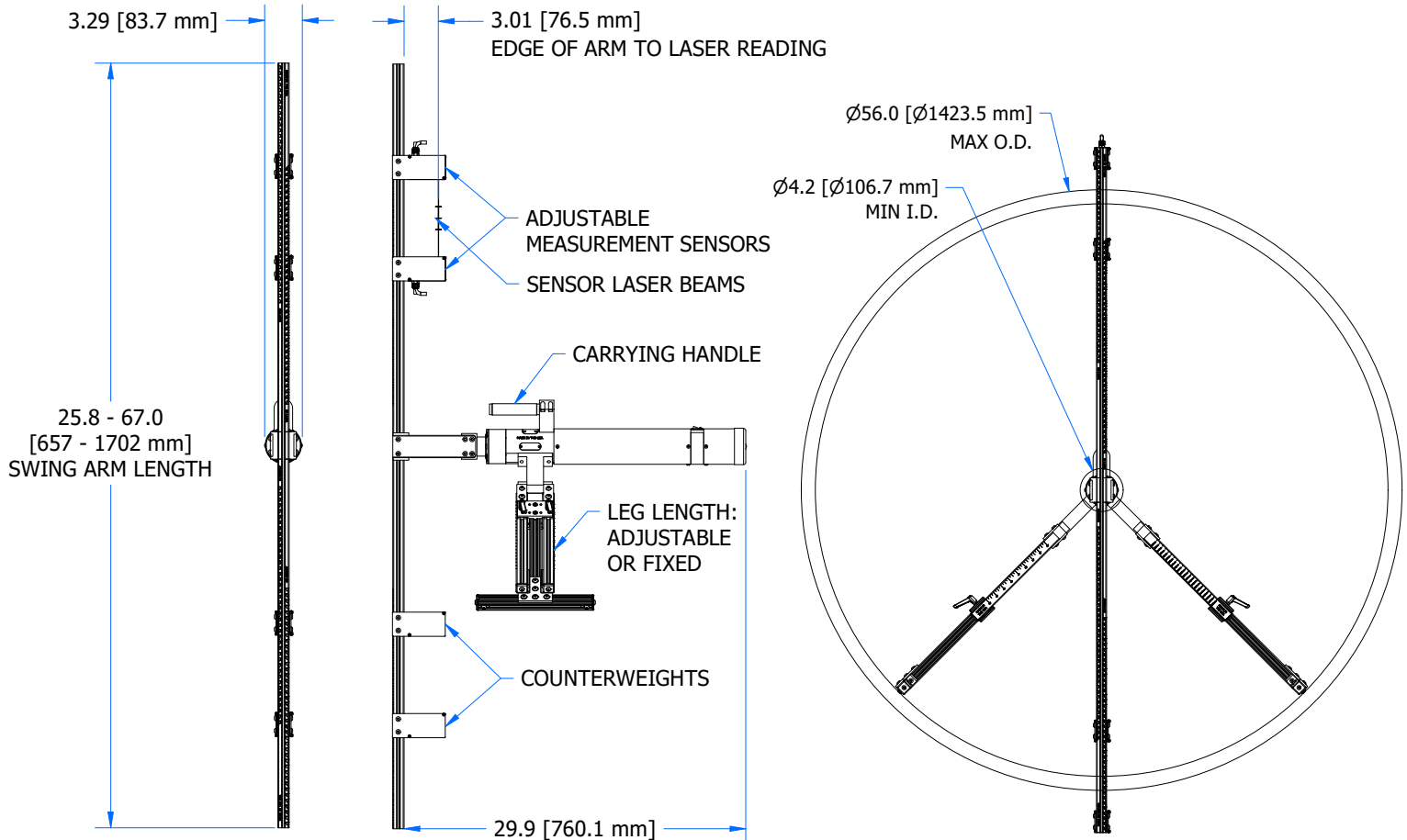
WOW THEM

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All dimensions and requirements are for reference and may be subject to change without notice. Machine performance is subject to application and operator capability; please discuss your requirements directly with a Mactech sales representative. All information given and all sales made by Mactech Inc. are subject to their terms and conditions.

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