

# MACTECH

## PEMS PIPE END MEASUREMENT SYSTEM

[MACTECHONSITE.COM](http://MACTECHONSITE.COM)

**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 24" O.D. down to 8" I.D. and a wall thickness range of 0.25"-2.75". The tool is capable of single or dual measurements at 1 or 4 inches 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	24" (610mm)
Minimum Inside Diameter	8" (203mm)
Wall Thickness	0.25 - 2.75" (6-70mm)
Measurements Per Pipe	2000
Accuracy	+/- 0.002 inches
Repeatability	+/- 0.001 inches
Laser Resolution	.0001" / 2.54 µm
Time Per End Measure	50 seconds
Power Source	Battery
Weight	20 lbs. (9kg)

**MACTECH INC.**  
4079 PEPIN AVE UNIT 4  
RED WING MN 55066  
800-328-1488  
[INFO@MACTECHONSITE.COM](mailto:INFO@MACTECHONSITE.COM)

**MACTECH OFFSHORE**  
302 IDA ROAD  
BROUSSARD LA 70518  
337-839-2793  
[INFO@MACTECHOFFSHORE.COM](mailto:INFO@MACTECHOFFSHORE.COM)

**MACTECH KENTUCKY**  
3880 INDUSTRIAL DRIVE  
PADUCAH KY 42001  
270-442-1559  
[INFO@MACTECHONSITE.COM](mailto:INFO@MACTECHONSITE.COM)

**MACTECH WISCONSIN**  
2515 CLEVELAND AVE  
MARINETTE WI 54143  
800-328-1488  
[INFO@MACTECHONSITE.COM](mailto:INFO@MACTECHONSITE.COM)

**MACTECH INTERNATIONAL**  
CONTACT US FROM ANYWHERE  
AROUND THE WORLD  
337-839-2793  
[INFO@MACTECHOFFSHORE.COM](mailto:INFO@MACTECHOFFSHORE.COM)

WORK HARD

WORK SAFE

WE BEFORE ME

WELCOME CHALLENGES

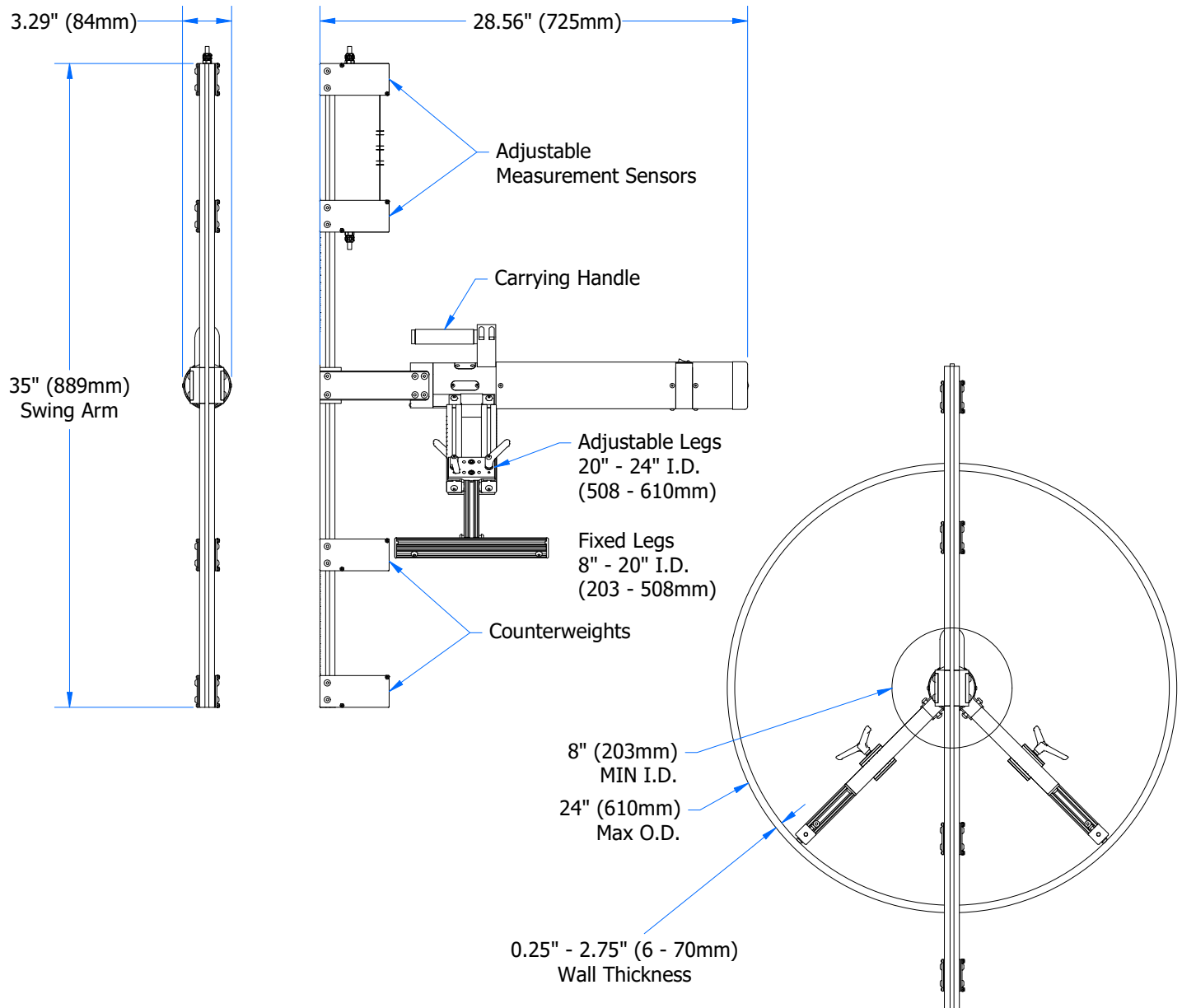
WOW THEM

# MACTECH

# PEMS

## PIPE END MEASUREMENT SYSTEM

[MACTECHONSITE.COM](http://MACTECHONSITE.COM)



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.

**MACTECH INC.**  
4079 PEPIN AVE UNIT 4  
RED WING MN 55066  
800-328-1488  
[INFO@MACTECHONSITE.COM](mailto:INFO@MACTECHONSITE.COM)

**MACTECH OFFSHORE**  
302 IDA ROAD  
BROUSSARD LA 70518  
337-839-2793  
[INFO@MACTECHOFFSHORE.COM](mailto:INFO@MACTECHOFFSHORE.COM)

**MACTECH KENTUCKY**  
3880 INDUSTRIAL DRIVE  
PADUCAH KY 42001  
270-442-1559  
[INFO@MACTECHONSITE.COM](mailto:INFO@MACTECHONSITE.COM)

**MACTECH WISCONSIN**  
2515 CLEVELAND AVE  
MARINETTE WI 54143  
800-328-1488  
[INFO@MACTECHONSITE.COM](mailto:INFO@MACTECHONSITE.COM)

**MACTECH INTERNATIONAL**  
CONTACT US FROM ANYWHERE  
AROUND THE WORLD  
337-839-2793  
[INFO@MACTECHOFFSHORE.COM](mailto:INFO@MACTECHOFFSHORE.COM)

WORK HARD

WORK SAFE

WE BEFORE ME

WELCOME CHALLENGES

WOW THEM