

# Laser Weigh and Measure system - Model 101-0522C-KIT



## 101-0522C-KIT Concrete Cylinder Laser Weigh and Measure

This technology is a must for any busy concrete compression testing laboratory bring Matest Data logging technology to a traditional manual process.

The device will measure a standard 100 dia \* 200 high concrete test cylinder in accordance with Australian standards

On the press of a touch screen button the measured data is saved to the Data logger memory, The Internal memory system is accessible via standard office TCPIP networks, in addition the results are pushed out an RS232 serial port for collection by many common LIMS systems.

The measurements undertaken are Mass of the cylinder, two diameters and the overall height.



### Feature overview

- Aluminium frame is anodised Gunmetal coloured
- Critical wear lower points are Tungsten carbide buttons under the cylinders
- Back stops are case hardened steel
- Rear of the Specimen plate has a spoon drain for control of water run off
- Lasers are all protected from Impact damage by machined aluminium enclosures
- All wiring from lasers is hidden within the hardware
- Calibration is done using the well know Matest controller calibration systems.
- Load cells are capable of 20kG of overload capacity

Supplied with a Double ended calibration verification cylinder that provides daily verification of both:

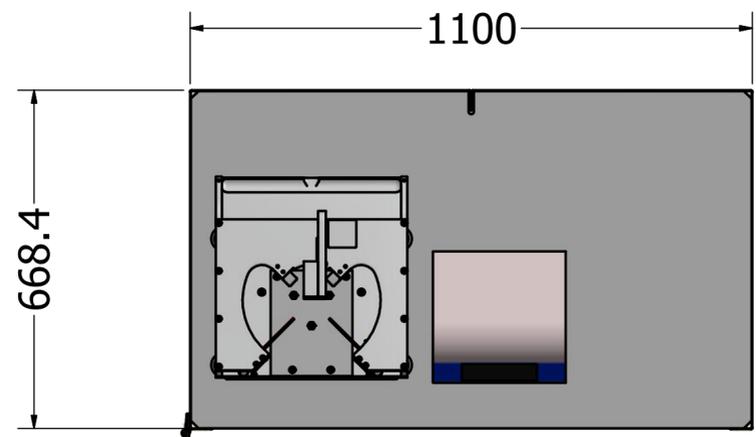
- 100 dia and 200 high
- 99 dia and 199 high



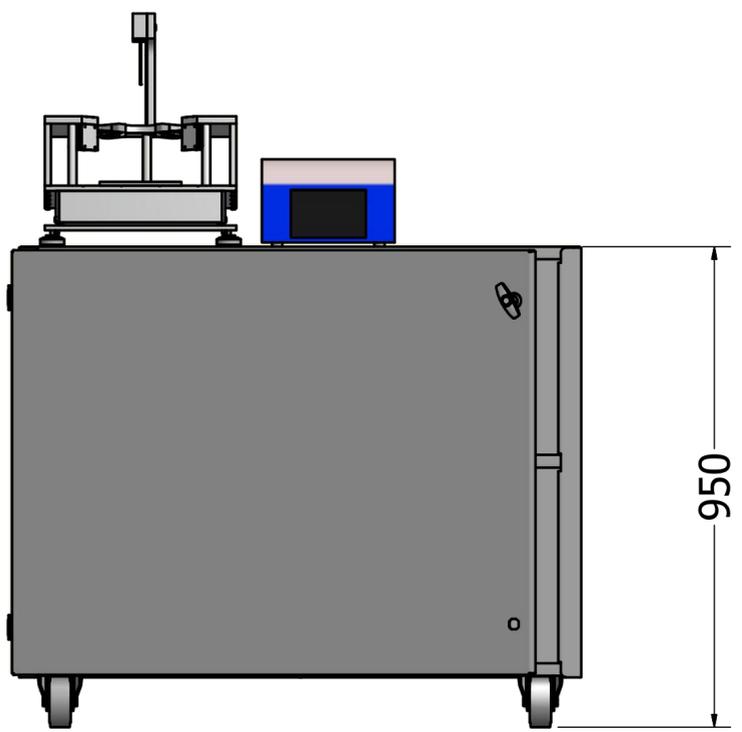
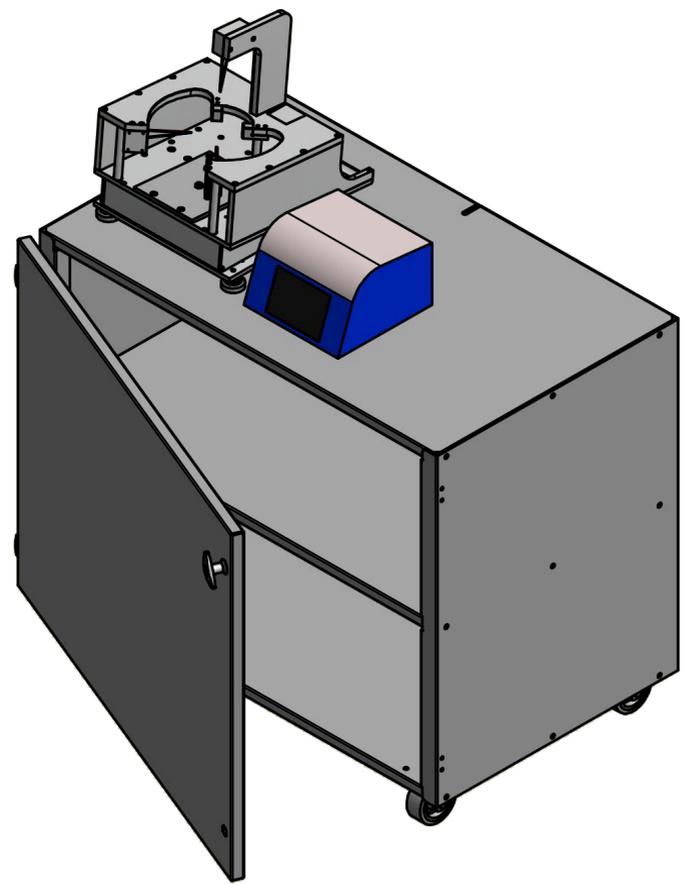
**101-0522I-10-KIT** This is an optional accessory is great where full in house calibration capability is required

Each cylinder can calibrate two different diameters and two different heights .

3 cylinders covering 8 span settings +/- 2.0mm +/- 3.0mm +/- 5.0mm -



PARTS LIST					
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS	MATERIAL
1	1	101-0522I Cylinder dimension tester	Cylinder dimension tester	18.219 kg	
2	1	101-0719C-02 Cylinder Test system Stand	Cylinder Test system Stand	73.762 kg	
3	1	S334N Matest Data Logger	Matest Data Logger	9.467 kg	Generic



Optional Accessory  
 Heavy duty 2mm steel cupboard  
 Powder coat finish  
 Caster wheels with wheel locks  
 Includes middle shelf  
 Opening door with turn handle catch  
 900 high Approx size 670 x 670 to match UTM dimensions

Stock Number -  
 Part Name - 101-0522I Cylinder dimension tester On Custom Bench  
 Description -  
 File Name - 101-0522I Cylinder dimension tester On Custom Bench.iam  
 Material -

Approved for Manufacture

© One-O-One Pty Ltd. Copyright Reserved - the design detailed on this drawing is the property of the One-O-One Pty Ltd and must be returned on demand. It is distributed to the intended recipient on condition that it is not reproduced or copied or re transmitted or stored by any means or process, including but not limited to an hard copy and electronic processes / storage system without the expressed permission in writing of the owner. Material Civil Test Equipment (MatCivTest) is a trading division of One-O-One Pty Ltd

DRAWN Warwick CHECKED WE	2/04/2022 17/04/2022	 MATERIAL CIVIL TEST EQUIPMENT TITLE / DESCRIPTION / File Name MatCivTest Engineering 101-0522I Cylinder dimension tester.idw	
MFG WE ENGINEERING WE	18/04/2022 18/04/2022		SIZE C Part Name / Stock Number 101-0522I Cylinder dimension tester REV
SCALE		SHEET 3 OF 41	