

## AFG to dV Communication Setup

Technical Bulletin



# Introduction


---


This document refers to Mecmesin VectorPro software. For further details concerning the operation of the software please consult your user manual or visit [www.mecmesin.com](http://www.mecmesin.com) for more information.

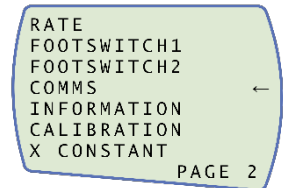
2018 © Mecmesin Ltd, supplied with Mecmesin test systems and not for redistribution



## AFG communication settings

To achieve communication between your *dV* test system and your AFG gauge you need to apply the correct settings within the AFG's communication menu (BAUD rate must be 115200). Use the following steps to configure the AFG:

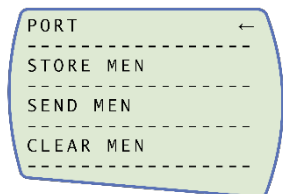
1. Hold  on the AFG until the main menu is displayed →

2. Press  once until you are on page 2 →

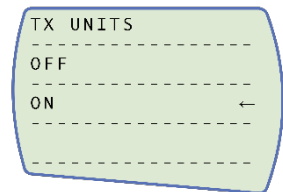


3. Scroll down using the  button, then press  to select the "COMMS" menu →

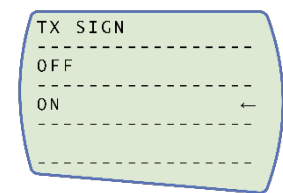
4. Now press  on port →




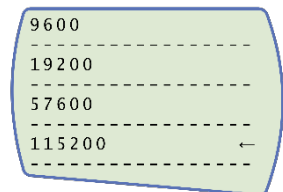
5. Set TX Units Off press  →




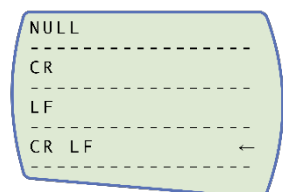
6. Set TX Sign On press  →




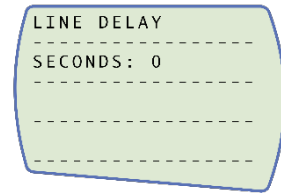
7. Set 115200, press  →




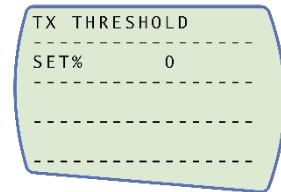
8. Set CR LF press  →




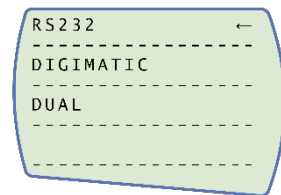
9. Ensure line delay is set to 0 press  →




10. Ensure TX threshold is set to 0 press  →



11. Set RS232 press  →



12. Then press  twice to return to the main measurement screen.

**Note:** If using the stand in conjunction with VectorPro please ensure that the units selected on the gauge matches the unit selected within the software. You will need to ensure the AFG/ AFTI gauge is on the live reading screen, numbers change in real-time, using a MAX screen will prevent continuous data readings in VectorPro.

## Connect the test stand to a PC (VectorPro users only)

If you are using VectorPro™ software, connect the USB B port to a PC using cable part no. 351-093.

## Cable management

It is essential that no cables are permitted to interfere with the controls or any moving parts.

# Mecmesin

testing to perfection

## Mecmesin : a world leader in affordable force and torque testing solutions

Since 1977, Mecmesin has assisted thousands of companies achieve enhanced quality control in design and production.

The Mecmesin brand represents excellence in accuracy, build, service, and value. In production centres and research labs worldwide, designers, engineers, operators, and quality managers endorse Mecmesin force and torque testing systems for their high performance across countless applications.

[www.mecmesin.com](http://www.mecmesin.com)

Algeria	Estonia	Lithuania	Slovakia
Argentina	Finland	Macedonia	Slovenia
Australia	France	Malaysia	South Africa
Austria	Germany	Mexico	Spain
Bangladesh	Greece	Morocco	Sri Lanka
Belgium	Hungary	Myanmar (Burma)	Sweden
Brazil	India	Netherlands	Switzerland
Bulgaria	Indonesia	New Zealand	Syria
Cambodia	Iran	Norway	Taiwan
Canada	Ireland	Paraguay	Thailand
Chile	Israel	Peru	Tunisia
China	Italy	Philippines	Turkey
Colombia	Japan	Poland	UK
Costa Rica	Korea South	Portugal	United Arab Emirates
Croatia	Kosovo	Romania	Uruguay
Czech Republic	Kuwait	Russia	USA
Denmark	Laos	Saudi Arabia	Vietnam
Ecuador	Latvia	Serbia	
Egypt	Lebanon	Singapore	

The Mecmesin global distribution network guarantees your testing solution is rapidly delivered and efficiently serviced, wherever you are.



### Head Office - UK

Mecmesin Limited

w: [www.mecmesin.com](http://www.mecmesin.com)

e: [sales@mecmesin.com](mailto:sales@mecmesin.com)

### North America

Mecmesin Corporation

w: [www.mecmesincorp.com](http://www.mecmesincorp.com)

e: [info@mecmesincorp.com](mailto:info@mecmesincorp.com)

### France

Mecmesin France

w : [www.mecmesin.fr](http://www.mecmesin.fr)

e: [contact@mecmesin.fr](mailto:contact@mecmesin.fr)

### Asia

Mecmesin Asia Co. Ltd

w: [www.mecmesinasia.com](http://www.mecmesinasia.com)

e: [sales@mecmesinasia.com](mailto:sales@mecmesinasia.com)

### Germany

Mecmesin GmbH

w: [www.mecmesin.de](http://www.mecmesin.de)

e: [info@mecmesin.de](mailto:info@mecmesin.de)

### China

Mecmesin (Shanghai) Pte Ltd

w: [www.mecmesin.cn](http://www.mecmesin.cn)

e: [sales@mecmesin.cn](mailto:sales@mecmesin.cn)