

Click type Wireless Data Transfer Torque and Angle Torque Wrench **FDD-AD**

Torque and Angle Data Transfer Wrench



**CSPFDD100N3X15D-AD with
Interchangeable Ratchet Head QH15D**



R-FHD256-AD
Receiver



TPC-AD
Protocol Converter



SB-FH256
Setting Box

- Transfer Peak Torque and Angle which started from trigger torque
- Eight models cover a torque range of 2 ~ 280N·m
- Wide variety of interchangeable heads available



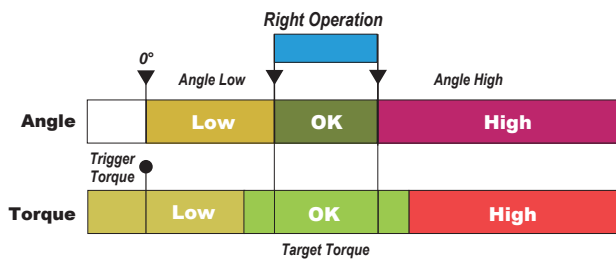
Features

For Tightening

By detecting final angle at the completion of the tightening operation, it is possible to eliminate tightening errors caused by provisional tightening, the tightening application or double tightening.

The set value can be changed by command input from PC / tablet depending on each tightening operation.

Detectable Tightening Error by Torque & Angle Monitoring



Angle Low

- ≡ Double Tightening
- ≡ Stuck the Screw
- ≡ Defect of work/Bolt
- ≡ Contamination

Angle High

- ≡ Defect of Work/Bolt
- ≡ Lack of O-Ring/Gasket
- ≡ Over torque of the provisional tightening

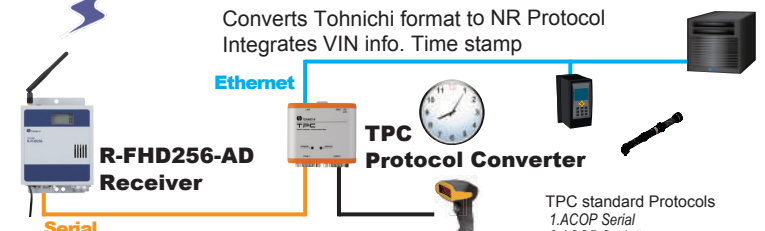
Torque & Angle OK



Torque or Angle, or Both NG



Answer Back



e.g. Output Format of R-FHD-AD to PLC

STX 0 0 1 . 1 2 3 4 5 6 A . 0 5 0 0 . 0 4 5 0 0 BCC-H BCC-L ETX

Header, 3-digit ID, 7-digit ID (S/N), Torque, Angle, BCC, Delimiter

Specification

Accuracy +/- 3%+1 digit

Model	Torque Range						Overall Length [mm]	Angle Range			Weight [kg]
	N-m		kgf-m		lbf-ft			Min.-Max.	1digit	Accuracy	
	Min.-Max.	1digit	Min.-Max.	1digit	Min.-Max.	1digit					
CSPFDD25N3-10NX10D-AD	2-10	0.1	0.2-1	0.01	1.5-7.5	0.1	193	0-240°	1°	±2°+1digit (Angular velocity is 30°/X-180°/s when the bolt turned to 90°)	0.54
CSPFDD25N3X10D-AD	5-25		0.5-2.5		3.6-18						0.55
CSPFDD50N3X12D-AD	10-50	0.2	1-5	0.02	7.5-36	0.2	214	0.66	0.71	0.86	0.66
CSPFDD50N3X15D-AD											217
CSPFDD100N3X15D-AD	20-100	0.5	2-10	0.05	15-75	0.2	290	0.86	0.71	0.86	0.71
CSPFDD140N3X15D-AD	30-140	1	3-14	0.1	25-100	0.5	349	1.21	4.08	4.08	5.22
CSPFDD200N3X19D-AD	40-200		4-20		30-150	1	429	4.08			
CSPFDD280N3X22D-AD	40-280		4-28		30-200		627	5.22			

Communication Specifications

Wireless Standard	2.402-2.479GHz Group channel:000-255 (256) System:FHSS Modulation:GFSK
Communication Distance	Approx. 20m* *Veris in radio conditions
Power	Transmitter: AAA battery x 2, 12 hours Receiver: AC100-240V Setting Box: DC9V battery
Acquisition of License	TELEC, FCC, IC, SRRC, CE, KC

Over 300 kinds of interchangeable heads are available to suit a variety of work applications.



Spanner head type is ideal for bolt nut tightening or piping operation.
mm and Inch size available



Ring spanner head firmly grips a fastener for safety and accurate operation.



Ratchet Head can apply a socket and the ratcheting action for fast operation.



Female Ratchet Head is ideal for use in low ceiling space and not required to attach socket.



Square Drive Head is simple structure and ideal for use in the corner of bolt or bolts on a flange piping.



Hex Head can attach a Hex key for socket head cap screw tightening.



Hook Head is ideal for use with bearing lock nut applications.



Promotional videos are available on YouTube. Visit Tohnichi TV!

<https://www.youtube.com/c/TohnichiTV>



The TUD symbol indicates that our products are ergonomically designed and adapted for Color Vision Deficiencies.

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