

Desoutter



ERP

Electric High Torque Pistols

*Accurate
Highly Productive
Ergonomic
Robust*

More Than Productivity

IndustrialTools



ERP

Electric Transducerized High Torque Pistols



Check out your nearest contact at
www.desouttertools.com



A hand-held solution for your quality and safety critical structural joints.
ERP is a Torque Controlled tool, highly productive and offering accurate tightenings in either 1st assembly or re-assembly conditions.

MATCHING YOUR NEEDS



Farm equipment



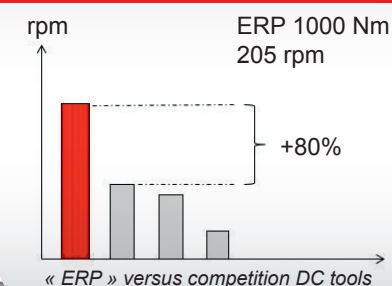
Trucks and buses



Construction equipment

Key points

PRODUCTIVITY



TOP CABLE & FRONT LIGHT



CONFIGURABLE HMI & REVERSE



Controller - CVIR II-H4



Optional
Kit IP54 CVIx2

MAIN FUNCTIONS	CVIR II H4
Programming modes	
Number of cycles.....	50
Number of phases.....	15
Reverse.....	✓
1 sequence.....	8 cycles
Batch count.....	999
Barcode reading (cycle selection).....	✓
LCD screen and display.....	✓
CVIPC software.....	✓
Phases characteristics	
Search sequence.....	✓
Run down speed phase.....	✓
Final speed phase.....	✓
Action on NOK.....	✓
Jump to another phase.....	✓
Cycle characteristics	
Authorized directions.....	✓
Disengagement parameters.....	✓
Tightening results	
Led "Low", "OK", "High" Torque.....	✓
Led "Low", "OK", "High" Angle.....	✓
Torque+Angle+Date+Time+Report	
Up to 10000 according to configuration	
Number of curves.....	10
Tightening strategies	
Torque control.....	✓
Torque control + Angle monitoring.....	✓
Angle control + Torque monitoring.....	✓
Maintenance	
Access to all tool memory parameters.....	✓
Autotest of the complete system.....	✓
Calibration of the tool.....	✓

MODEL	PART NUMBER	TOOLS	DIMENSIONS						CONSUMPTION (CURRENT)		MAINS SUPPLY	WEIGHT	
			WIDTH		HEIGHT		DEPTH						
			mm	in.	mm	in.	mm	in.	115 V	230 V	50/60 hertz	kg	lb.
CVIR II H4	615 932 685 0	ERP-HT	130	5.1	278	10.9	291	11.5	4A	2A	Single-phase	5.9	13

Electric transducerized High Torque - CVIR II

75 to 1700 Nm (55 to 376 ft.lb) - 85 to 822 rpm

The transducerized nutrunners range ERP is dedicated to high torque structural assemblies requiring accuracy and traceability



A



B



C



Software, Upgrade kits...

POWER CORD to be ordered with the controller

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



SOFTWARE

MODEL	PART NO.
CVI PC2000-STD 1 install	615 927 522 0
CVI PC2000 advanced 1 install	615 927 523 0
CVINET WEB 1 controller	615 927 736 0
Open Protocol 5 licences	615 927 581 0



OPTIONAL ACCESSORIES

MODEL	PART NO.
Kit IP54 CVIx2	615 932 684 5
Shelf support - Aluminium profile	615 397 403 5

Fieldbus / Protocol

MODEL	PART NO.
Ethernet IP Module	615 927 594 0
Profibus DP Module	615 927 595 0
ProfiNet Module (1 port)	615 927 596 0
ProfiNet Module (2 ports)	615 927 597 0
CC-Link Module	615 927 598 0
DeviceNet Module	615 927 599 0
MODBUS TCP	615 927 615 0

PIC REF	MODEL	PART NUMBER	OUTPUT DRIVE	TORQUE RANGE				SPEED	GEARBOX DIAMETER		LENGTH (Cable up)		WEIGHT		SPLINE
				MIN.	MAX.	MIN.	MAX.								
			in.	Nm	Nm	ft.lb	ft.lb	rpm	mm	in.	mm	in.	kg	lb.	
A	ERP250	615 165 883 0	3/4	75	250	55	184	822	54	2.13	355	13.9	5.1	11.2	3
B	ERP500	615 165 884 0	3/4	150	500	110	368	347	67	2.64	390	15.3	5.8	12.8	4
C	ERP750	615 165 885 0	1	225	750	165	553	245	67	2.64	410	16.1	6.2	13.7	5
C	ERP1000	615 165 886 0	1	300	1000	221	737	205	67	2.64	420	16.5	6.4	14.1	5
.	ERP1700	615 165 887 0	1	510	1700	376	1253	85	84	3.31	455	17.9	8.3	18.3	9

Accessories

OPTIONAL ACCESSORIES



REACTION BARS	SPLINE	A STRAIGHT	B S-TYPE	C L-TYPE ALUMINUM	D SQUARE	E SLIDING DRIVE	F SLIDING DRIVE EXTENDED C-C	G SUSPENSION RING	H SIDE HANDLE
		PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
ERP250	3	615 812 097 5	615 812 068 5	615 812 072 5	615 812 057 5	615 812 113 5	N/A	615 812 123 0	615 576 038 0
ERP500	4	615 812 054 5	615 812 069 5	615 812 073 5	615 812 058 5	615 812 062 5	615 812 063 5	615 812 123 0	615 576 038 0
ERP750 / ERP1000	5	615 812 055 5	615 812 070 5	N/A	615 812 059 5	615 812 064 5	615 812 065 5	615 812 123 0	615 576 038 0
ERP1700	9	615 812 056 5	615 812 071 5	N/A	615 812 060 5	615 812 066 5	615 812 067 5	615 812 123 0	615 576 038 0



NUTRUNNER CABLE	PART NO.
Tool cable 3m (9.8ft)	615 917 461 0
Tool cable 5m (16ft)	615 917 462 0
Tool cable 10m (32.8ft)	615 917 464 0
Tool cable 15m (49.2ft)	615 917 465 0

EXTENSION CABLE	PART NO.
Ext. cable 5m (16ft)	615 917 222 0
Ext. cable 10m (32.8ft)	615 917 224 0



Sliding drive C-C

PART NO.	C MIN mm (in.)	C MAX mm (in.)
615 812 113 5	70 (2.76)	120 (4.72)
615 812 062 5	76 (3.00)	126 (4.96)
615 812 063 5	82 (3.23)	218 (8.58)
615 812 064 5	80 (3.15)	125 (4.92)
615 812 065 5	82 (3.23)	218 (8.58)
615 812 066 5	80 (3.15)	130 (5.11)
615 812 067 5	80 (3.15)	280 (11.02)

Indicative weight for suspension (Tool + bar + suspension ring + std socket weight) - kg (lb)

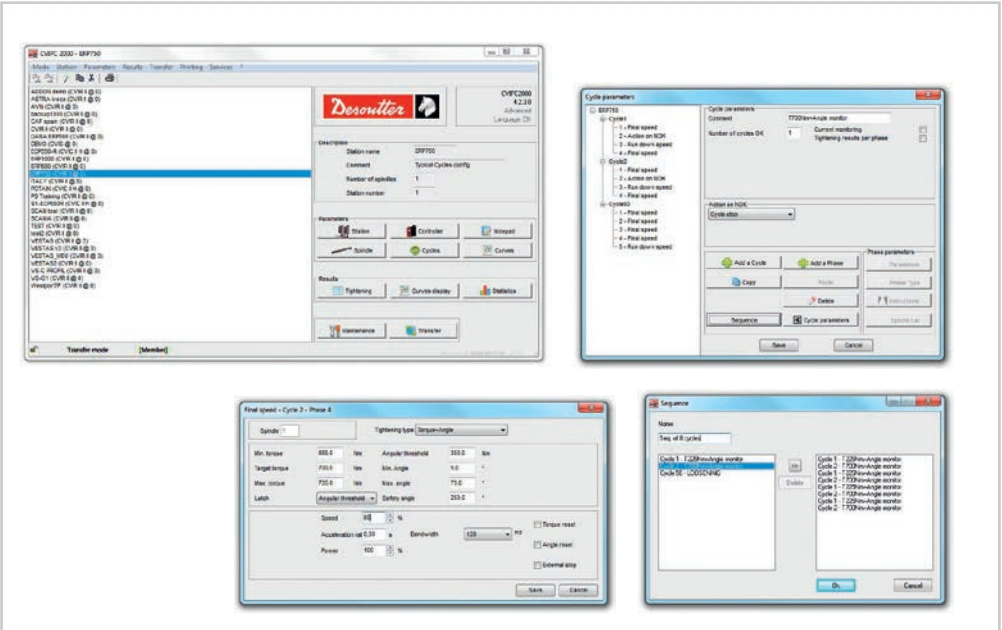
ERP250	7,0 (15,4)	6,2 (13,7)	6,5 (14,3)	6,2 (13,7)	6,7 (14,8)	N/A
ERP500	9,1 (20,1)	7,1 (15,7)	7,0 (15,4)	7,3 (16,1)	7,7 (17,0)	8,0 (17,6)
ERP750	11,4 (25,0)	8,0 (17,5)	N/A	8,2 (18,0)	8,8 (19,3)	9,2 (20,2)
ERP1000	11,6 (25,5)	8,2 (18,0)	N/A	8,4 (18,4)	9,0 (19,7)	9,4 (20,6)
ERP1700	16,4 (36,2)	11,3 (24,9)	N/A	11,1 (24,5)	11,9 (26,2)	13,1 (28,9)

PART NUMBER	DESCRIPTION	NET WEIGHT	
		kg	lbs
615 812 097 5	REACTION BAR STRAIGHT SPLINE 3	1,2	2,6
615 812 054 5	REACTION BAR STRAIGHT SPLINE 4	2,6	5,7
615 812 055 5	REACTION BAR STRAIGHT SPLINE 5	4,0	8,8
615 812 056 5	REACTION BAR STRAIGHT SPLINE 9	6,8	15,0
615 812 057 5	REACTION BAR SQUARE SPLINE 3	0,4	0,9
615 812 058 5	REACTION BAR SQUARE SPLINE 4	0,8	1,8
615 812 059 5	REACTION BAR SQUARE SPLINE 5	0,8	1,8
615 812 060 5	REACTION BAR SQUARE SPLINE 9	1,5	3,3
615 812 113 5	REACTION BAR SLIDING DRIVE SPLINE 3	0,9	2,0
615 812 062 5	REACTION BAR SLIDING DRIVE SPLINE 4	1,2	2,6
615 812 064 5	REACTION BAR SLIDING DRIVE SPLINE 5	1,4	3,1
615 812 066 5	REACTION BAR SLIDING DRIVE SPLINE 9	2,3	5,1
615 812 063 5	REACTION BAR SLIDING DRIVE SPLINE 4 EXT	1,5	3,3
615 812 065 5	REACTION BAR SLIDING DRIVE SPLINE 5 EXT	1,8	4,0
615 812 067 5	REACTION BAR SLIDING DRIVE SPLINE 9 EXT	3,5	7,7
615 812 068 5	REACTION BAR S-TYPE SPLINE 3	0,4	0,9
615 812 069 5	REACTION BAR S-TYPE SPLINE 4	0,6	1,3
615 812 070 5	REACTION BAR S-TYPE SPLINE 5	0,6	1,3
615 812 071 5	REACTION BAR S-TYPE SPLINE 9	1,7	3,7
615 812 072 5	REACTION BAR L-TYPE ALUMINUM SPLINE 3	0,7	1,5
615 812 073 5	REACTION BAR L-TYPE ALUMINUM SPLINE 4	0,5	1,1
615 812 074 5	REACTION BAR SLIDING DRIVE SPLINE 5 EXT	3,7	8,2
615 812 075 5	REACTION BAR SLIDING DRIVE SPLINE 5 EXT TUBE	4,7	10,4
615 812 123 0	SUSPENSION RING ERPHT	0,3	0,7

Software

CVIPC2000 Software to Program

- Organize stations
- Program cycles
- Program sequence
- Stations backups
- View results and curves



CVI Net Web Software for traceability

- Real Time results & crves
- Data storage in SQL, oracle or MySQL sever
- Automatic uploading of data from controller
- Statistical analysis and documentation (control charts, pareto, cm / cmk)
- Report printing
- Printing all tightenings related to an equipment identified by barcode scan



More Than Productivity