

NPC – Smart-Kor

Data Sheet

The Second Generation Digital Controller for Hydrokor® Coring Machines

- Smart-Kor is a digital solution for coring machine operation and coring performance monitoring.
- Available as a retrofit to an existing Hydrokor or as an option on new machines.
- Monitoring of core drill life and performance, coring times, and coring productivity are stored in memory and can be downloaded for data storage and long term trend analysis.
- Designed around an Allen Bradley, PLC, Smart-Kor fully integrates into the hydraulic controls of the Hydrokor.

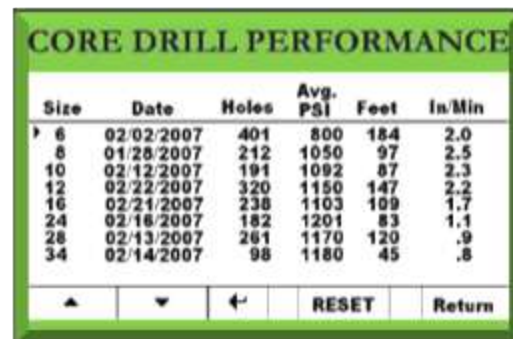


Run Screen:

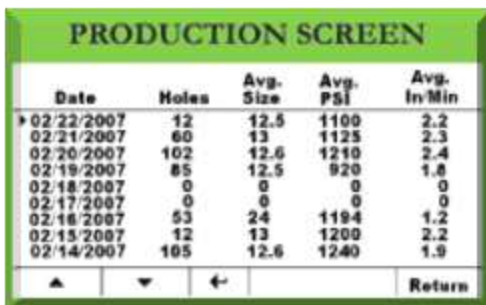
- Touchscreen selection of manhole/structure size
- Core drill/hole size selection
- Displays percent of coring cycle completion and elapsed time
- All structure sizes and core drill selections are user programmable.

Core Drill Performance Screen:

- Date core drill was installed
- Number of holes cored with that drill
- Average coring pressure in PSI
- Total feet cored
- Coring performance in inches/minute



Size	Date	Holes	Avg. PSI	Feet	In/Min
6	02/02/2007	401	800	184	2.0
8	01/28/2007	212	1050	97	2.5
10	02/12/2007	191	1092	87	2.3
12	02/22/2007	320	1150	147	2.2
16	02/21/2007	238	1103	109	1.7
24	02/16/2007	182	1201	83	1.1
28	02/13/2007	261	1170	120	.9
34	02/14/2007	98	1180	45	.8



Date	Holes	Avg. Size	Avg. PSI	Avg. In/Min
02/22/2007	12	12.5	1100	2.2
02/21/2007	60	13	1125	2.3
02/20/2007	102	12.6	1210	2.4
02/19/2007	85	12.5	920	1.8
02/18/2007	0	0	0	0
02/17/2007	0	0	0	0
02/16/2007	53	24	1194	1.2
02/15/2007	12	13	1200	2.2
02/14/2007	105	12.6	1240	1.9

Production Screen:

- Production date
- Number of cored holes on that date
- Average hole size
- Average coring pressure
- Coring performance in inches/minute