

CRANE-BOY-EXD LOAD LIMITATION ELECTRONICS (Explosion proof)

Load limitation with 3 setpoints and display for hazardous area

Ex II 2G Ex d IIB T6



Features

- o Easy and intuitive calibration
- o Display of hoisted load and input signal
- o Internal monitoring system of the integrity of the load cell and the load limitation electronic (positive safety)
- o TEST button on front cover
- o Options
 - 4(0)...20mA or 0...10V analog output
 - RS232, RS485, USB or fieldbus capabilities
 - Power supply : 48VAC (only for 85...230 VAC version)

Applications

Load limitation in hazardous area on

- overhead cranes
- container cranes
- gantry cranes

Functions

- Internal survey system of the load cell and the electronic (positive safety)
- TEST button in order to check the good working of the detection system.
- Secret code prohibiting programming by unauthorized persons.
- Intelligent filter with quick reaction to quick overload while not reacting on transitory non significant overload.
- Maximum and minimum memories, Smart filter,
- Totalization of several measurements, Protection code, ...

Specifications	CRANE-BOY	CRANE-BOY-24	CRANE-BOYP	CRANE-BOYP-24	
Type	Load limiter for single load cell	Load limiter for single load cell	Load limiter for single load cell	Load limiter for single 4-20mA load cell	-
Input range	± 24 mV	± 24 mV	4...20mA	4...20mA	-
Sensor excitation	10 VDC @125mA max**	10 VDC @125mA max**	24VDC ± 5% @50mA max.	24VDC ± 5% @50mA max.	-
Display	5 digits (14.2 mm)	5 digits (14.2 mm)	5 digits (14.2 mm)	5 digits (14.2 mm)	-
Accuracy	0.1	0.1	0.1	0.1	% F.S.
A/D converter	16 bit	16 bit	16 bit	16 bit	-
Converter rate	Up to 20 readings /s	Up to 20 readings /s	Up to 20 readings /s	Up to 20 readings /s	-
Service temperature range	0...+50	0...+50	0...+50	0...+50	C
Storage temperature range	-40...+60	-40...+60	-40...+60	-40...+60	C
Power supply	85...250 VAC (15VA)	11...36 VDC (11W), 24VAC (15VA)	85...250 VAC (15VA)	11...36 VDC (11W), 24VAC (15VA)	-
IP Rating	IP54	IP54	IP54	IP54	-
Qty of relay	3	3	3	3	-
Relay type	Form A - potential free	Form A - potential free	Form A - potential free	Form A - potential free	-
Breaking capacity relays	3A @250VAC or 30VDC	3A @250VAC or 30VDC	3A @250VAC or 30VDC	3A @250VAC or 30VDC	-

* : Configurable at user's level

** : 5 VDC @65mA max (jumper selectable)

F.S.: full scale - Specifications subject to change without notice