



APEM

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APEM ROBUST AND USER-FRIENDLY SOLUTIONS PRIORITIZING EASE-OF-USE, PRODUCTIVITY AND SAFETY FOR OPERATION IN DEMANDING ENVIRONMENTS

HEAVY DUTY CONSTRUCTION AND MOBILE MACHINERY

BESPOKE HMI SOLUTIONS

In work environments where safety is critical, such as construction applications, a HMI is more than just a simple product to operate a command; it is a solution designed to ensure seamless and safe maneuvers.



1 PUSHBUTTONS: IA, AV, IP, IX, IV, IG ...



2 LED INDICATORS: Q series



3 ROCKER SWITCHES: KL & KR series



4 PADDLE: BHN series



5 ROBUST IP67/IP69K TOGGLE SWITCHES: CT, 600, 3500 series (with switch guards and sealing boots)



6 THUMBSTICK 2-AXIS: TS series



8 EMERGENCY STOP PUSHBUTTONS: XA, XW, XN...



7 ERGONOMIC MID-SIZE JOYSTICKS: XP, HF series



9 CUSTOM KEYPADS WITH PCB INCLUDING CANBUS



10 ROBUST KEYPAD: PK series



STANDARD AND CUSTOMIZABLE HMIs FOR CONSTRUCTION AND MOBILE MACHINERY

Our robust, custom-designed products support professionals in demanding environments with durability, reliability, and versatility. From complex logistics equipment to ATEX compliance, our ergonomic HMIs enhance comfort, productivity, and safety.

Real-time, high-visibility information enables operators to work efficiently while maintaining safe operations—even in environments exposed to dust, vibration, UV, and extreme lighting conditions.

Designed for simplicity, our HMIs feature large, intuitive controls that are easy to operate with gloves and during complex workflows. By reducing unnecessary complexity, we help users stay focused and productive.

At APEM, users are at the center of our design process, delivering tailored solutions that ensure seamless, safe, and reliable operations.

The PK Range

customizable and interchangeable icons	PKR	
customizable layouts		
Up to 15 keys		
Full RGB	PKD	
3 million operations		
IP67/IP69K		
UVB 400 hrs	PKI	
-40°C to +70°C		

Our selection

Custom options available. Please contact APEM for further details.

Joysticks 2-axis		Paddle	LED indicator	Toggle switches		Pushbuttons		Emergency Stop Pushbutton
								
XP	HF	BHN	Q14	CT	3500	IA	IX	XW
IP66	IP67	IP67	IP67	IP67	IP69K	IP67	IP69K	IP65
10M lifecycle	5M lifecycle	10M lifecycle	100,000 hours expectancy	100,000 lifecycle	40,000 lifecycle	1M lifecycle	1M lifecycle	250,000 lifecycle
One or two axis	1,2, or 3 axis	Single axis	Led light visible during daylight	Rated up to 10A at 250VAC	-	bushing Ø 16 mm	bushing Ø 12 mm	16mm
Main features								
Analog, or CAN outputs	Analog PWM CAN & USB outputs	Analog or PWM outputs	-	Three terminal options available	Many lever styles available	momentary	Momentary NO or NC/NO	NO/NC
Several handles available	Connectorized housing	Spring or detent options	Flush bezel styles	UL approved	CECC 9600 Approved	Resistant to frost, sand and hydrocarbons	Illuminated option	"Safe break action"



Some of our products can contribute to your safety cases management thanks to their high cycle life, dual channel sensor, redundancy and diagnostic possibilities, and an unique safety mechanisms for our Estop switches. Please, consult us for your safety-related topics. Our experts can support you for technical elements you need.

