



## HP-DT-FSR-IS

### Intrinsically Safe FSR Pointing Device

Now available to ship! The intrinsically safe force sensing resistor (FSR) by iKey® features an upgraded pointing device that offers improved sensitivity and increased durability. It combines the functionality of a mouse and the flexibility of a joystick in one convenient, small-footprint package. The HP-DT-FSR-IS is designed to reduce risk of failure in your hazardous areas. It has a Factory Mutual approval of Class I, II and III, Division I, Groups C, D, E, F and G. Housed in a sturdy stainless steel case, it provides pressure-sensitive feedback for positive motion control without requiring vigorous movement. The low-profile of the FSR design contains no protruding parts that might break and no moving elements to collect dust. Completely sealed NEMA 4X design. The HP-DT-FSR-IS units come with optical isolated barriers and bulkhead cables for complete protection. The new part number for HP-DT-IS is: HP-DT-FSR-IS.

Features: PS2 Configurations Available, Stainless Steel Case

Transition from CTS to Force Sensing Resistor: 1) No mechanical parts: visible change, improved technology, better accuracy, and smoother use. 2) Longer life: 420,000 hours – 7x more than the CTS (60,000). 3) CTS: mechanical damage was higher, moving from cap and stick to a rubber resistor

## Product Code HP-DT-FSR-IS

CERTIFICATIONS	NEMA 4X UL60950, FCC Part 15 Class B Factory Mutual approval for Class I, II, and III, Division I, Groups C, D, E, F, and G
SHOCK	3x11 ms pulses of 50g on each of 3 axes
CABLE	LENGTH: 5 feet (1.5 m) from keyboard to Bulkhead Connector DESIGN: 2 separate cables (providing separate keyboard and mouse connections)
KEY SWITCH	MATERIAL: Industrial silicone rubber LIFE: 10 million cycles TRAVEL: 0.055 ACTUATION FORCE: 200g (+/- 20g) FEEDBACK: Tactile with mechanical snap
VIBRATION	POWER SPECTRAL DENSITY: 0.04g/Hz FREQUENCY RANGE: 20Hz - 2 kHz DURATION OF TEST PER AXIS: 3 hours
POWER	Bluetooth®: Rechargeable Lithium Ion Battery

COMPATIBILITY	PS/2: All Windows Operating Systems
TEMPERATURE RANGE	STORAGE: -40C to +70C (-40F to 158F) OPERATING: -20C to +60C (-4F to 140F)
WEIGHT	1.25 lbs (0.68 kg)
WARRANTY	1 Year Limited Warranty
HUMIDITY	100% Humidity Resistant
DIMENSIONS	4.90" x 4.90" x 1.13" (w-h-d) 124.5mm x 124.5mm x 28.7mm
MODEL NUMBERS	HP-DT-IS-PS2: With PS/2 cable