

## ACCUTRAK™ ROTARY POSITION MONITORS MODELS 2007/9479/360/366

### EXPLOSIONPROOF/FLAMEPROOF

Fully integrated and encapsulated rotary valve position monitors that are certified for use in explosive atmospheres.



#### FEATURES

- Touch set cams are hand adjustable, spring loaded and self-locking providing quick calibration of position switches and sensors.
- Terminal strips are pre-wired and numbered with generous working space for ease of use.
- Strong durable Beacon™ offers 360° visual indication in a choice of styles and colors.
- Additional conduit for easy field wiring and mounting accessories as standard.
- Standardized mounting pattern for easy adaptation to common bracketry.
- NAMUR shaft output compliant to VDI/VDE 3845 available..
- Eliminator option for easy integration of external solenoid valve.
- Aluminum enclosures with ultra-low copper content (0.2% maximum) ensure robust performance in corrosive environments.
- Rugged stainless steel enclosures.

#### TECHNICAL DATA

##### Agency approvals

Explosionproof/flameproof  
Models 2007/9479

Cl. I, Div. 1, Groups C & D; T\*  
Cl. II, Div. 1, Groups E, F & G; T\*  
Cl. I, Zone 1 Aex db / Ex db IIB+H2 T\*  
Zone 21, Aex tb / Ex tb IIIC T\* Db IP6X  
II 2 G Ex db IIB+H2 T\* Gb Ta= -\*°C to +\*°C  
II 2 D Ex td IIIC T\* Db Ta= -\*°C to +\*°C, IP6X  
Ex db IIC T\* Gb Ta= -\*°C to +\*°C (INMETRO Approval Only)

Non-Incendive  
Model 9479 Only

Cl. I, Div. 2, Groups A, B, C & D; T\*, T2C  
(Heater Option Only) Tamb: -\*°C to +\*°C<sup>1</sup>  
IP66/67

Explosionproof/flameproof  
Model 360/366

Cl. I, Div. 1, Groups A<sup>2</sup>, B, C & D; T\*  
Cl. II/III, Div. 1, Groups E, F & G; T\*  
II 2 G Ex db IIC T\* Gb Ta= -60°C to +\*°C  
II 2 D Ex td IIC T\* Db Ta= -60°C to +\*°C, IP6X

Non-Incendive  
Model 360/366

NI, Cl. I, Div. 2, Groups A, B, C, D; T\*  
(w/ sensors xM06, xM12, xM17, xM18 Only)  
6P

Enclosure standards  
All enclosures

Type 4, 4X

##### Switches\*\*

Magnum/MagPAC  
V3 (SPDT) & DPDT mechanical  
Pepperl + Fuchs model NJ2-V3-N

##### Enclosures

Aluminum  
Stainless steel

#### GENERAL APPLICATION

AccuTrak position monitors are ideal for manual and automated rotary valves. They provide consistent and accurate valve monitoring in a compact unit which can be mounted directly or via a valve actuator.

#### NOTES

<sup>1</sup> This information can change depending on the construction, refer to the certification.

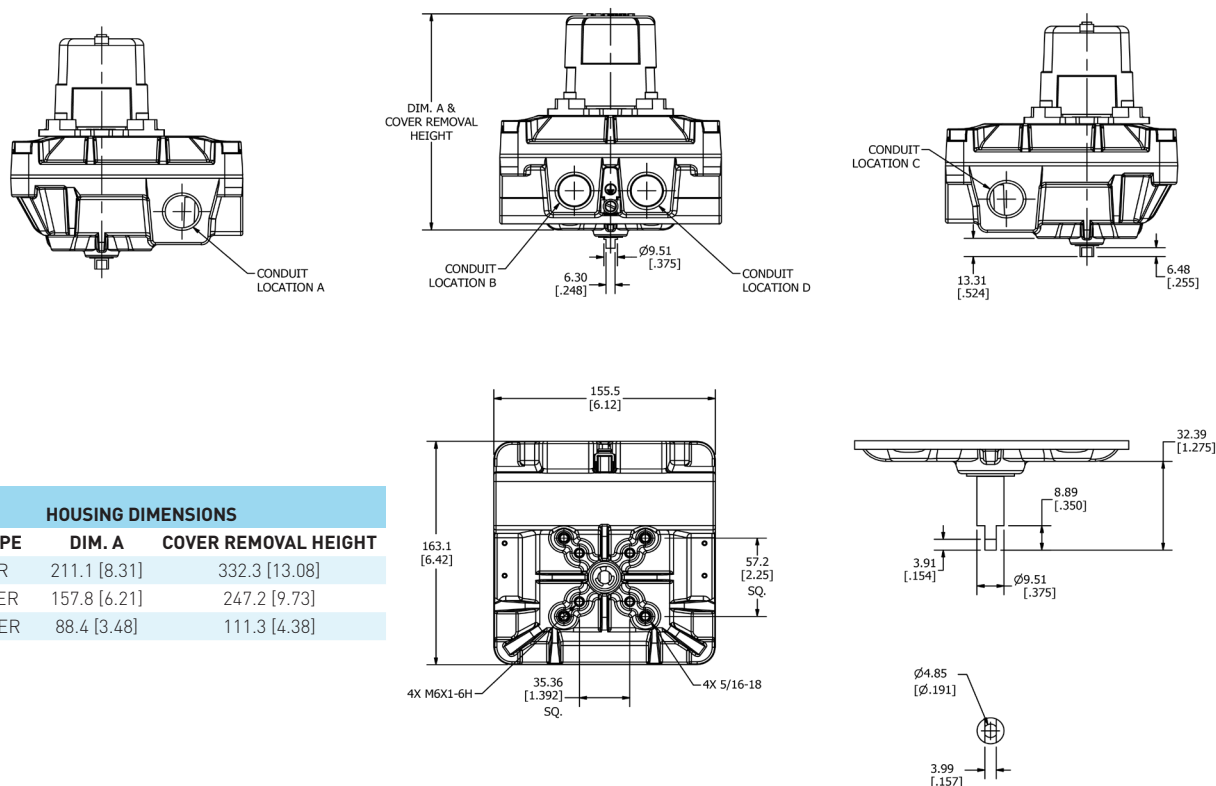
<sup>2</sup> Solenoid option not available

\*Ambient temperature depend on configuration, see product certificate for details

\*\*Refer to ordering guides for switch options

## EXPLOSIONPROOF

## MODELS 2007/9479 DIMENSIONS



Dimensions in inches, where available metric dimension (mm) in parentheses

## TECHNICAL SPECIFICATIONS

### Materials of construction

Enclosure	Aluminum with powder coat finish
Shaft and hardware	Stainless steel
Bushing	Oil impregnated bronze
Beacon visual indicator	Co-polyester

### Drive shaft

Westlock standard	Double-D with ¼" A/F
NAMUR standard	NAMUR standard VDI/VDE 3845

### Available switches

	V3 mechanical switches, SPDT
	DPDT (Form CC) mechanical switches
	Pepperl + Fuchs model NJ2-V3-N
	Magnum (hermetically sealed proximity type)
	MagPAC bifurcated switch pack (9479 ONLY)

## Options

Stainless steel enclosure

## NOTES

1. See selection guide for standard conduit entries
2. See switches & sensors data sheet for further information
3. A specialist eliminator fitting is available for the mounting of an aftermarket solenoid valve
4. Please consult your sales office for any other requirements



# ACCUTRAK™ EXPLOSIONPROOF ROTARY POSITION MONITORS

## MODEL 2007 SELECTION GUIDE

Base model					
2007	Aluminum enclosure				
	Shaft output				
	S	Standard (Double-D with 1/4" Flats)			
	D	Direct mont to Keystone F89 actuators			
	N	NAMUR			
		Beacon			
		BY	BM2-Y (Standard)		
		RG	BM2-RG (Red Closed/Green Open)		
		FE	BM2-Y-FE (French/English)		
		LP	BM2- Y-LP (Low Profile Standard)		
		B1	BM3-1 (3-way B1 Flowpath)		
		B3	BM3-3 (3-way B3 Flowpath)		
		B5	BM3-5 (3-way B5 Flowpath)		
		B7	BM3-7 (3-way B7 Flowpath)		
		B9	BM3-9 (3-way B9 Flowpath)		
		FC	Flat cover - <b>not available with switch options requiring high cover</b>		
			Conduit		
		2B	Two 3/4"NPT (F) - <b>not permitted with switch options 6M02 or 4M04</b>		
		4B	Four 3/4" NPT (F)		
		4E	Two 3/4" NPT (F), One 1/2" NPT (F) & One 1/2" NPT (M) Global Eliminator Fitting*		
		4F	Two 3/4" NPT (F) & Two 1/2" NPT (M) Global Eliminator Fittings*		
		EA	Two 3/4" NPT (F) & Two 1/2" NPT (F)		
		2M	Two M20 (F) - <b>not permitted with switch options 6M02 or 4M04</b>		
		4M	Four M20 (F)		
			Position switches		
		2M02	Two SPDT Mechanical Switches - 8 pt. Terminal Strip		
		4M02	Four SPDT Mechanical Switches - 16 pt. Terminal Strip		
		6M02	Six SPDT Mechanical Switches - 24 pt. Terminal Strip, High Cover, 4 Conduits		
		2M04	Two DPDT Mechanical Switches - 16 pt. Terminal Strip		
		4M04	Four DPDT Mechanical Switches - 24 pt. Terminal Strip, High Cover, 4 Conduits		
			Position Transmitter		
		00	None		
			Unit Specialty Codes (leave blank for standard builds)		
		M0000	INMETRO Certification		
		00124	316 Stainless Steel Enclosures		
		00692	**120 VAC Heater Resistor		
		00710	12 pt. Terminal Strip		
		00816	**24 VDC Heater Resistor		
2007	N	BY	2B	2M02	00

= Model number **2007NBY2B2M020000**

### ORDERING NOTES

\*Eliminator Fitting is 1/2" NPT (M) for the purpose of mounting an after market solenoid valve.

\*\*For INMETRO replace first digit of the specialty code with M; For e.g. 2007NBY2B2M0200**M**0124

\*\*\*T Ratings for optional heater resistors changes to T2C.