

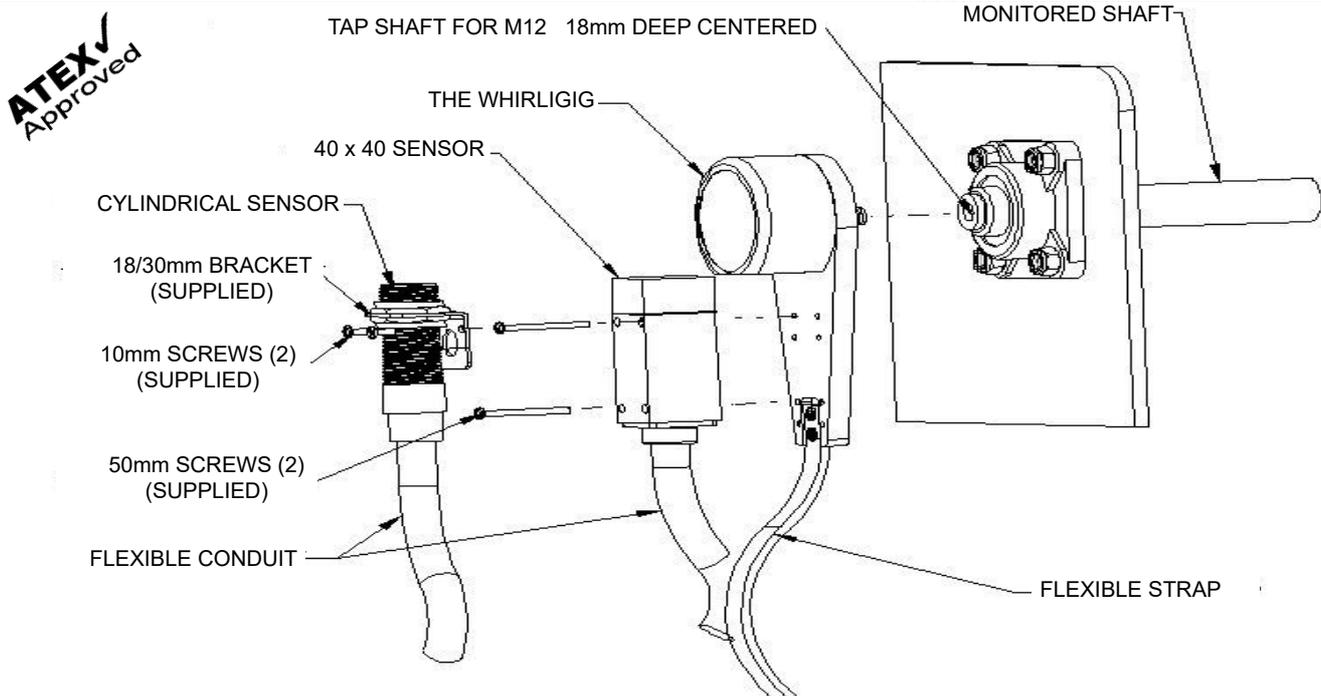
**WHIRLIGIG (ATEX APPROVED) - WG1-(A)-#P****Installation Instructions**

*Warning: Observe safety procedures at all times.*

**DO NOT REMOVE THE WHIRLIGIG COVER. THE ROTATING COMPONENTS UNDER THE COVER COULD CAUSE SERIOUS INJURY.**

- 1/ Drill and tap the center of the shaft for M12 thread. Ensure that the shaft is tapped 18mm deep.
- 2/ Thread the WHIRLIGIG onto the machine shaft using M16 open ended wrench and suitable thread locking adhesive (Loctite or similar).
- 3/ Install the sensor to the WHIRLIGIG baseplate. Two sets of pre-drilled holes are provided for 40x40 rectangular sensors. A universal bracket (WG18/30) is supplied for fitting 18mm or 30mm sensors. Fit the sensor to leave an approximate 2mm gap between sensor face & cover.
- 4/ Connect the sensor in accordance with manufacturers' instructions and observe all relevant electrical & safety regulations.
- 5/ Fix the flexible strap securely to the static structure.

**TIP:** The PU1DR speedswitch and system function can be tested by placing a thin metal plate between the sensor and the cover of the WHIRLIGIG. When installing other industry standard sensors, leave a small gap between the sensor & the WHIRLIGIG cover for this purpose.



**FOR COMPLETE GUARANTEE INFORMATION - CALL SYNATEL**

**SYNATEL INSTRUMENTATION LTD.,**

Walsall Road, Norton Canes, Cannock, Staffs. WS11 9TB UK  
 Telephone: +44(0) 1543 277003 \* Fax: +44 (0) 1543 271217  
 Web: www.synatel.co.uk \* e-mail: sales@synatel.co.uk

Approval:

Baseefa03ATEX0675

II 1G h IIC T5 Ga

II 1D Ex h IIIc T100°C Da

Tamb -15°C to +50°C IP40

CE  
1180



## DECLARATION OF CONFORMITY

DOC2017001A

We, the undersigned, on behalf of Synatel Instrumentation Limited, hereby declare the products listed below conform to the relevant provisions of the legislation, as well as pertinent clauses of the standards and other normative documents mentioned herein.

**EQUIPMENT DESCRIPTION** : SPEED MONITORING ACCESSORY  
**PRODUCT NAMES** : WHIRLIGIG WG1-(A)-XP SERIES  
**CODES** : 863-014 thru 863-017

### ATEX DIRECTIVE 2014/34/EU

**CERTIFICATE No.** : Baseefa03ATEX0675  
**ISSUED BY** : SGS Baseefa, Staden Lane, Buxton,  
Derbyshire, SK17 9RZ  
**NOTIFIED BODY NO.** : 1180

**CATEGORIES** : Ex II 1G h IIC T5 Ga  
Ex II 1D Ex h IIIC T100°C Da  
Tamb -15°C to 50°C IP 40

BS EN 80079-36 :2016 Basic methods and requirements.  
BS EN 80079-37 :2016 Non electrical type of protection  
constructional safety "c",  
control of ignition source "b", liquid immersion "k"  
-- (Protection by constructional safety)

**SPECIAL CONDITIONS FOR SAFE USE** - None

### RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE 2011/65/EU

No required or relevant standards are applicable

NAME : David Wheat POSITION: Director

SIGNED:  ISSUE DATE : 26/01/2017