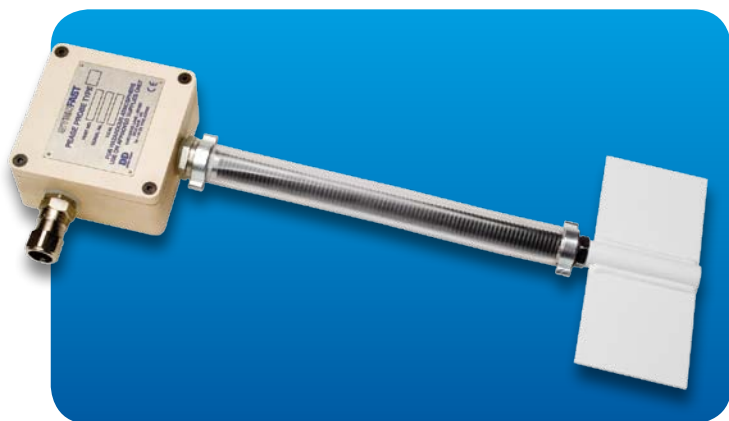


Pease Probe Sensing Device



Description

The Pease Probe Sensing device comprises a compact weatherproof plastic moulded enclosure containing a microswitch and associated terminals. The enclosure is also fitted with a flexible actuating probe which operates the microswitch when it is deflected sideways. Thus the Pease Probe is suitable for many applications in mining and the minerals handling industry.

This device should be used to detect the following:

- Conveyor Blocked Chute
- Broken Haulage Rope Strand
- Belt Misalignment
- Dead Mans Handle
- Torn Belt
- Vehicle Movement
- Liquid Level
- Door Position

Versions

The Pease Probe can be supplied with probe lengths of 12", 18" or 24" and an option of a time delay on the switching function which is adjustable up to 15 seconds.

Switch Rating

The Pease Probe is fitted with a single pole change-over microswitch rated at 240 volts ac, 10Amps.

Cable entries

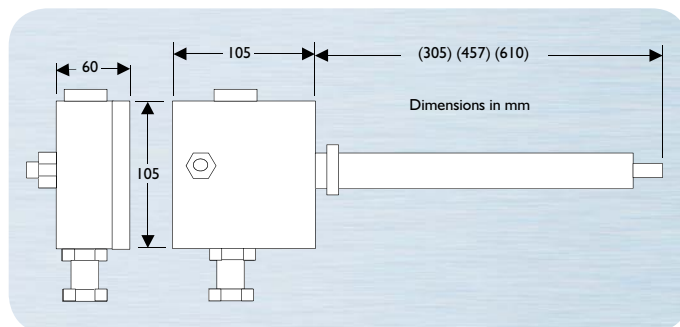
The unit is supplied with one CM 20 20mm cable gland and one 20mm tapped blanked off entry.

Installation in Hazardous Atmospheres

When installing in GpI hazardous atmospheres (methane in coal mines) this equipment is considered as "simple apparatus" as defined in EN60079-11 and must only be supplied with electrical power from an appropriately certified Intrinsically Safe source.

Dimensions

The dimensions of the Pease Probe are shown below:



Ordering Details

Ordering details are as follows:

Probe length	Standard version	Timed version
305 mm (12")	HD20218	HD20221
457 mm (18")	HD20219	HD20222
610 mm (24")	HD20220	HD20223

Note: The above units can be supplied with a variety of different end fittings, when ordering these versions, the appropriate suffix should be added to the code number. Gill end fitting – Suffix A, Roller Suffix B, Domed Nut suffix F.



Davis Derby Limited

Davis Derby is a long established designer and manufacturer of intrinsically safe electronics and explosion-proof electrical equipment. All our equipment is designed for use in underground coalmining and other hazardous or demanding atmospheres. Davis Derby is also a leading provider of off-road vehicle driver access control and fleet management information systems. Our products are in service across the world in a variety of mining and arduous environments.

Davis Derby Limited comprises of 4 core strategic business units:



StedFAST™

Mines, quarries, steelworks, power stations and processing plants are demanding environments. Hazards are many and varied and nowhere more so than where bulk materials are being conveyed in the presence of personnel. Incidents involving product spillage, misaligned or torn conveyor belts and other mechanical malfunctions can cause injury to staff as well as costly downtime, damage to machinery and loss of revenue.



MineWATCH™

Mine productivity and personal safety have been priorities at Davis Derby for more than two decades. In this time we have led the way in product development, harnessing cutting-edge technologies and the potential of microprocessor based outstations.

Bespoke

With a long history of developing unrivalled safety, communication and monitoring products for hazardous, explosive and arduous environments, Davis Derby is uniquely positioned to offer a bespoke design and manufacturing service for industrial applications. Our engineers are also specialists in adapting existing technology to be suitable for operation in hazardous gas and dusty atmospheres and obtaining the appropriate certification to ATEX, IECEx, UL and CSA standards.



TruckLOG™

Designed with demanding materials handling environments in mind, the Davis Derby TruckLOG suite of modules tell you everything you need to know about who's driving your trucks – and how. It puts you firmly in control of driver access, shock reporting and investigation, driver training needs and vehicle service and maintenance schedules.