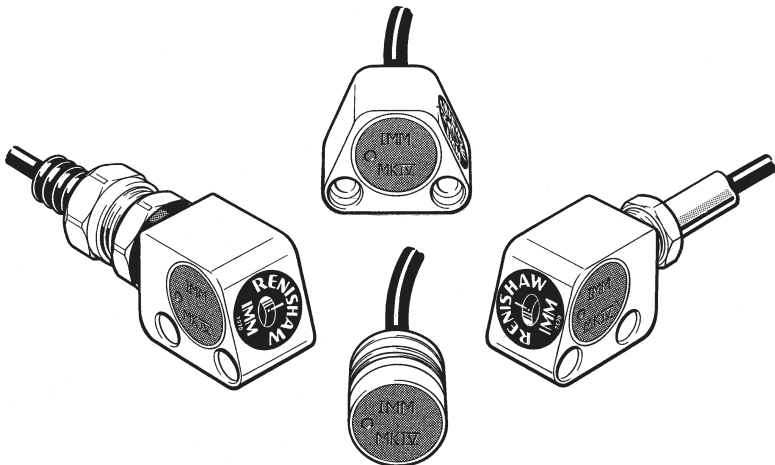


IMM - inductive module machine

IMM representative types + derivatives



IMM - IMP set-up

The IMM and IMP must be located relative to each other, within an air gap of 0,1 - 2,1 mm (0.004 - 0.08 in) and eccentricity of 0,0 - 2,0 mm (0.0 - 0.08 in).

IMM cable - all types

Three core screened cable

Outside diameter	4,3 mm (0.17 in).
Each core	7/0.2 insulated.
Colours	Red, green and blue.
Length	Typically 5 m (16.4 ft).
Maximum permitted length	100 m (328 ft).

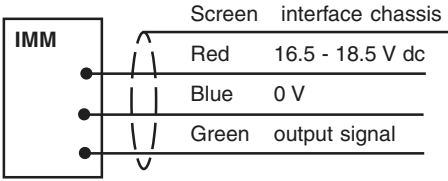
Cable extensions

5,5, 10,5, 20,5 and 25,5 m
(18, 34.4, 67.2 and 83.6 ft).
Connection is via 180° in line
DIN socket plug.



WARNING:
DO NOT pull or repeatedly bend
the wires during installation.

Electrical connections

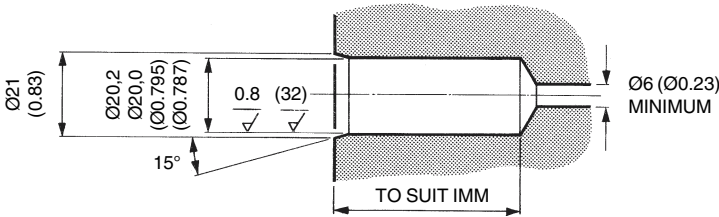


WARNING:

Wires must be connected as shown, otherwise failure can occur.

Installation and mounting - IMM cylindrical housing

dimensions mm (in)



Grubscrews

Drill and tap the machine housing to line up with the clamping zone.

Clamping screw size M4 maximum.

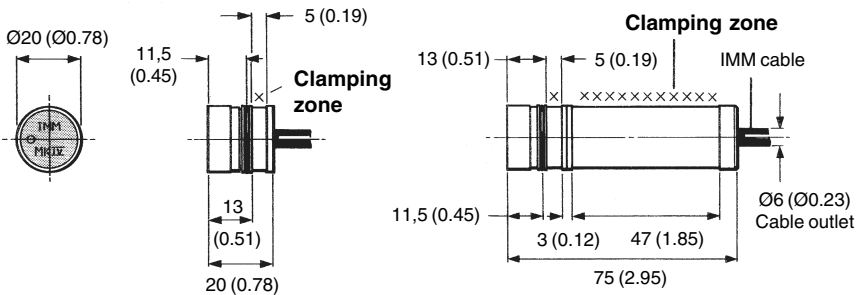
Clamping screw torque 0,5 Nm (0.37 lbf.ft) maximum.

The IMM is secured using flat ended grubscrews over clamping zone marked x x x.



WARNING:

Do not use cone point screws for clamping



Important

Pressure may be applied to the metal housing around the circumference, but the plastic front face should not be subjected to direct pressure on installation.

Installation and mounting - IMM cast housing

IMM stainless steel bodies incorporate two mounting holes $\varnothing 4,5$ ($\varnothing 0.17$), with counterbore, $\varnothing 7,5 \times 5$ ($\varnothing 0.29 \times 0.19$).

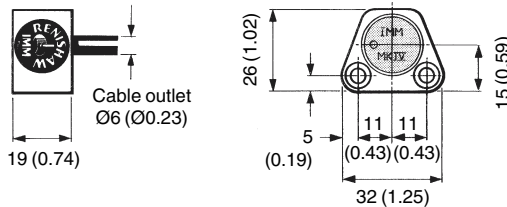
Conduit for cable protection is not supplied by Renishaw.

Important Do not apply direct pressure on IMM module plastic front face.

IMM with rear exit cable

Two M4 x 0.7-20 mm long fixing screws supplied.

dimensions mm (in)

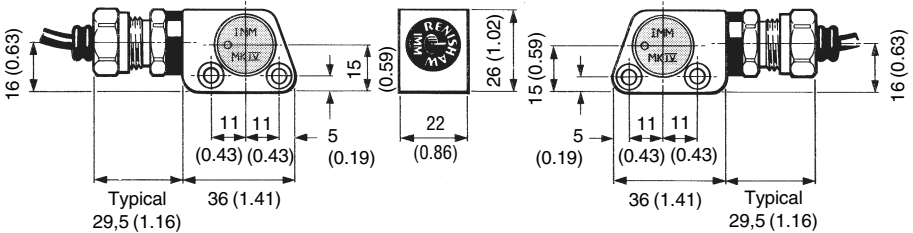


IMM with side exit cable - left hand or right hand and adaptor for flexible conduit $\varnothing 11$ ($\varnothing 0.43$)

Two M4 x 0.7-25 mm long fixing screws supplied.

Adaptor with 19 A/F compression fitting.

Torque = Finger tight + 2.5 turns.

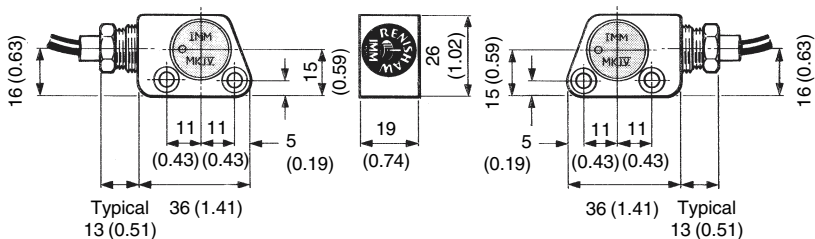


IMM with side exit cable - left hand or right hand and adaptor for steel tube conduit $\varnothing 8$ ($\varnothing 0.31$)

Two M4 x 0.7-20 mm long fixing screws supplied.

Adaptor with 13 A/F compression fitting.

Torque = 12,4 Nm (9.15 lbf.ft).



Renishaw plc

New Mills, Wotton-under-Edge,
Gloucestershire, GL12 8JR
United Kingdom

T +44 (0)1453 524524

F +44 (0)1453 524901

E uk@renishaw.com

www.renishaw.com

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WARRANTY

Equipment requiring attention under warranty must be returned to your supplier. No claims will be considered where Renishaw equipment has been misused, or repairs or adjustments have been attempted by unauthorised persons.

CHANGES TO EQUIPMENT

Renishaw reserves the right to change specifications without notice.

IP RATING

IP67

ENVIRONMENT**Temperature**

The IMM is specified for storage over -10 °C to 70 °C (14 °F to 158 °F) and operation over 5 °C to 60 °C (41 °F to 140 °F) ambient temperature range.

GARANTIE

L'équipement à réparer sous garantie doit être renvoyé à votre fournisseur. Aucune réclamation concernant l'équipement Renishaw ne sera étudiée en cas d'utilisation impropre, de réparations ou de réglages effectués par toute personne non autorisée.

MODIFICATION DE L'EQUIPEMENT

Renishaw se réserve le droit de modifier les spécifications de l'équipement sans préavis.

CONFORMITE IP**ENVIRONNEMENT****Température**

Le IMM est conçu pour une conservation à température ambiante comprise entre -10 °C et 70 °C et une exploitation à température ambiante comprise entre 5 °C et 60 °C.

GARANTIE

Teile, die während der Garantiezeit Mängel aufweisen, müssen an den Lieferanten zurückgesandt werden. Die Garantieansprüche verfallen bei Fehlbedienung oder unsachgemäßem Eingriff.

TECHNISCHE ÄNDERUNGEN

Technische Änderungen vorbehalten.

DICHTHEIT

IP67

UMGEBUNGSBEDINGUNG**Temperatur**

Arbeitstemperatur -10 °C - 70 °C
Lagertemperatur 5 °C - 60 °C

GARANZIA

Apparecchiature che richiedono interventi durante il periodo di garanzia, devono essere inviate al Vostro fornitore. La garanzia non sarà considerata valida qualora l'apparecchiatura Renishaw sia stata maltrattata, o sia stata riparata o regolata da personale non autorizzato.

MODIFICHE ALLE APPARECCHIATURE

La Renishaw si riserva il diritto di apportare modifiche alle apparecchiature senza preavviso.

CLASSIFICAZIONE IP**AMBIENTE****Temperatura**

La temperatura ambiente di deposito specificata per è compresa tra -10 °C e 70 °C, e la temperatura d'esercizio è compresa tra 5 °C e 60 °C.



These products have been manufactured in conformity with the following standard: -

BS EN 61326:1998/ Electrical equipment for measurement,
A1:1998/A2:2001 control and laboratory use - EMC requirements.
Immunity to annex A - industrial locations.
Emissions to class A (non-domestic) limits.

and comply with the requirements of directive: -

89/336/EEC - Electromagnetic compatibility

The above information is summarised from the full EC Declaration of Conformity. A copy is available from Renishaw on request.

Important

All relevant safety information, including that incorporated in the installation instructions, user instructions and maintenance instructions must be observed.

Ces produits ont été construit conformément à la norme suivante: -

BS EN 61326:1998/ Équipements électriques de mesures,
A1:1998/A2:2001 contrôle et laboratoires - critères CEM.
Non visé par l'annexe A - locaux industriels.
Émissions suivant tolérances de classe A (non-domestique).

et sont conformes aux conditions de la directive: -

89/336/CEE - Compatibilité électromagnétique

Les informations ci-dessus sont le résumé des textes complet de la déclaration de conformité CE. Une copie est disponible sur demande auprès de Renishaw.

Important

Toutes les consignes de sécurité pertinentes, y compris celles figurant aux paragraphes concernant l'installation, l'utilisation et la maintenance du bloc d'alimentation doivent être suivies.

Diese Produkte wurden in Übereinstimmung mit folgenden Normen hergestellt: -

BS EN 61326:1998/ Elektrische Betriebsmittel für Messtechnik,
A1:1998/A2:2001 Leittechnik und Laboreinsatz - EMV-Anforderungen.
Störsicherheit laut Anhang A - industrielle Einsatzorte.
Emissionsgrenzwerte nach Klasse A (International).

Konform mit den Vorschriften der Richtlinien: -

89/336/EEC - Elektromagnetische Verträglichkeit

Die oben angegebene Information ist eine Kurzfassung des vollständigen Wortlautes der EU-Konformitätserklärung. Renishaw stellt Ihnen auf Wunsch eine Kopie des Texts zur Verfügung.

Wichtig

Alle Sicherheitshinweise im Handbuch, in den Kapiteln Installation, Bedienung und Wartung, müssen beachtet werden.

Questi prodotti sono stati prodotti in conformità al seguente standard: -

BS EN 61326:1998/ Apparecchiature elettriche per la misurazione,
A1:1998/A2:2001 il controllo e l'uso in laboratorio - Requisiti EMC.
Esenzione dall'allegato A - siti industriali.
Emissioni conformi ai limiti di classe A (uso non domestico).

ed è conforme ai requisiti della direttiva: -

89/336/EEC - Compatibilità elettromagnetica

Le informazioni sopra indicate riassumono quanto riportato per esteso nella Dichiarazione di conformità CE. È possibile richiederne una copia a Renishaw.

Avvertenza

È essenziale osservare le informazioni di antifortunistica, comprese quelle contenute nelle sezioni relative all'installazione, al funzionamento ed alla manutenzione.

For worldwide contact details,
please visit our main website at
www.renishaw.com/contact



H - 2 000 - 4 039 - 01 - D