MICROTEX ELECTRONICS, INC.

FR1 - FASTREADER 1

ANSI TYPE 2 19.2K Zero Power Optical Probe

✓ **ANSI C12.18 (1996) Standard**
✓ **Sunlight Filter**
✓ **Rugged Aluminum Head**
✓ **Flexible High-Endurance Coiled Cord**
✓ **Strain Relief / Sealed Head**
✓ **RS232 & EIA232D operation**
✓ **Zero-Power Operation**

MICROTEX ANSI TYPE 2 "FAST READER"

The **Microtex Electronics ANSI Type 2 "Fast Reader"** is the ideal solution for reading electric utility meters with portable handhelds Made by ITRON, DAP Technologies, Radix, PSION, Corvallis, and PC Laptops. **The zero-power interface derives power completely from the handheld computer's host port interface**. This saves the user from having to supply battery packs or provide for a "dongle cable" This product features an indestructible head, and tough Hytrel™ coiled cord connections to laptop or PC computer terminals. This unit supports the bi-directional IR interface for terminal speeds up to 19,200 bits per second.

SPECIFICATIONS:

HEAD	Aluminum Alloy, Machined & Bronzed
CABLE	Coiled Superflex PV Cable & Strain Relief
CONNECTOR	Compatible with All Host Connectors
LENS	Polycarbonate Filter
OPTICAL	880nm IR bidirectional Optical Link
DOCKING	Magnetic Adhesion – 6 Magnet
POWER	Power derived from host port < 10mA.
SIGNAL	EIA232D, V28, V32, TTL
MAX DATA	19,200 bits/second
OPERATING	-30c to +75c Temperature Range
Standards	Mil Std 810E & 801-3, IEC801-2 ESD
Compatibility	Compatible with any Electric Utility Meter supporting the ANSI C12.18 Standard protocol.

READS these Meters:

ABB – All Alpha, Alpha+, A3, ION-8400, ION-8500 compatible
Ametek/Scientific Columbus – JEM-1, JEM-10, Jemstar compatible
Power Measurements – ION series
Quadlogic – Series 20 compatible
Schlumberger – Q1000, Quantum Q121, Vectron and Vectron compatible.
GE - KV, GE-KV2
Siemens (process systems)– Quad 4+, (1) Maxsys 2510
Siemens (Landis&Gyr) – S4 Family, AXS4, AXRS4, AXLS4, RXS4, RXRS4
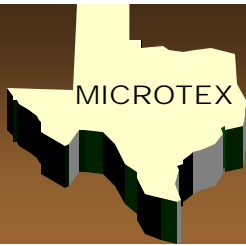
ORDERING INFORMATION on Back:

Proudly Made in the USA

FR1 - PC-XX (xx = sizes) (add –E for European)

Supports all Laptops, Portables, and Personal Computers. Connector is a DB9 female. Derives power from RS232 port so No Battery packs or "Dongle" cable is required. Superflex cable expands 5 times its length. Sizes are *18' (standard) , 36", 48", and 64"

FR1 - DAP - XX (xx=sizes) (add –E for European)

Supports all Handhelds manufactured by DAP technologies. Connector to handheld is a Right angle LEMO connector. Tested on models DAP9500, DAP9800, CE5240, and CE 5320. Superflex cable expands 5 times its length. Sizes are *18' (standard) , 36", 48", and 64"

FR1- FS - XX (xx=sizes) (add –E for European)

Supports handhelds manufactured by ITRON Technologies. Connector is Amphenol type. Tested on ITRON models FS2, and FS3. Superflex cable expands 5 times its length. Sizes are *18' (standard), 36", 48", and 64"

FR1 - G5 - XX (xx=sizes) (add –E for European)

Supports handhelds manufactured by ITRON technologies. Connector is G5 type. Tested on ITRON model G5. Superflex cable expands 5 times its length. Sizes are *18' (standard), 36", 48", and 64"

Microtex Electronics offers a one year limited warranty on any Fastreader product. We also offer maintenance plans and service what we build.

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